



***selos / fasis***

**DIN Rail Terminal Blocks with  
Screw, Tension Spring and  
Push-In Connection Technologies  
Catalog 2013**





▲ Sales and Marketing Center in Bamberg



▲ Company headquarters in Bamberg



▲ STOCKO main plant in Wuppertal

# wieland group

## ACTIVE WORLDWIDE

The Wieland Group employs more than 2,000 people all around the globe. With some 15 locations and subsidiaries, and sales partners in more than 70 countries, Wieland Holding is present in nearly all important key markets worldwide. Always with a clear commitment to the German location where most of the products are still manufactured.



**automation**  
**building**  
**electronics**

## The group makes us strong

Wieland Holding is based in Bamberg, Bavaria, and comprises two independently acting subsidiaries: Wieland Electric and STOCKO Contact.

Groundbreaking innovations made Wieland Electric one of the leading suppliers of electrical connection technology. This company, founded in Bamberg in 1910, is the largest subsidiary of Wieland Holding.

STOCKO Contact is based in Wuppertal and joined the Wieland Group in 2001. Stocko has also more than 100 years of company history to its credit and is one of the largest manufacturers of connector systems and crimp contacts.



#### Established in industries

Control cabinet engineering, industrial automation, building system technology – our large product portfolio provides solutions for all kinds of applications.

From innovative interface and network technology to terminal blocks to "safety first" – with modular system solutions and safety components. With Wieland products in your control cabinet, you are always on the safe side.

Energy bus systems for distributed automation or indoor and outdoor field

bus components – Wieland technology can be found everywhere, and in all kinds of applications.

In building system technology, Wieland Electric is the world market leader in pluggable electrical installation.

There are good reasons why our system solutions can be found in the most spectacular building projects worldwide. When it comes to electronic networking, Wieland leads the way to the "smart home".

#### Welcome Future

Wieland Electric is 100 years young, and full of innovative energy. And our commitment for the future is not only to find constantly new system solutions for our customers but also social responsibility.

Environmentally friendly high-tech products, manufactured to the latest production standards, an audited environmental management system and substantial investments in our locations are all part to this concept.

Global commitment and sustainable regional action – Wieland Electric is fit for the future: Contacts are green.



# Wieland DIN Rail Terminal Blocks – Overview

## DIN rail terminal blocks with screw connection



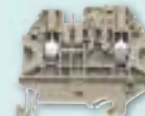
Feed-through blocks  
starting at page 12



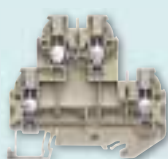
Ground blocks  
starting at page 16



Duo feed-through blocks  
starting at page 20



Knife edge  
disconnect blocks  
starting at page 20+31



Multi-tier blocks  
starting at page 22



Initiator blocks  
starting at page 26



Fuse blocks  
starting at page 28



DIN rail terminal blocks  
with plug-in connection  
starting at page 34



Function blocks  
starting at page 24 + 38



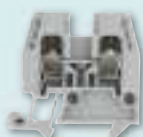
Instrument isolating  
terminals  
starting at page 40



DIN rail terminal blocks  
with ring lug connection  
starting at page 45



High current terminal blocks  
starting at page 46



Mini blocks  
starting at page 50



**selos** CLASSIC  
starting at page 52

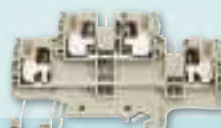
## DIN rail terminal blocks with push-in connection



Feed-through blocks  
starting at page 114



Ground blocks  
starting at page 116



Duo feed-through blocks  
starting at page 118

## DIN rail terminal blocks with tension spring connection



**Feed-through blocks**  
starting at page 62



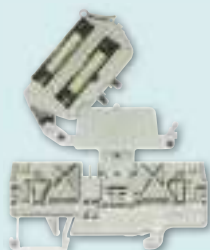
**Ground blocks**  
starting at page 72



**Duo feed-through blocks**  
starting at page 78



**Knife edge  
disconnect blocks**  
starting at page 88



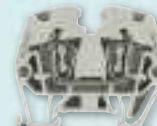
**Fuse blocks**  
starting at page 90



**DIN rail terminal blocks  
with plug-in connection**  
starting at page 94



**Initiator blocks**  
starting at page 100



**Mini blocks**  
starting at page 104

## Accessories, software and service



**Accessories**  
starting at page 120



**Software**  
starting at page 138



**Service, Facts & Data**  
starting at page 139



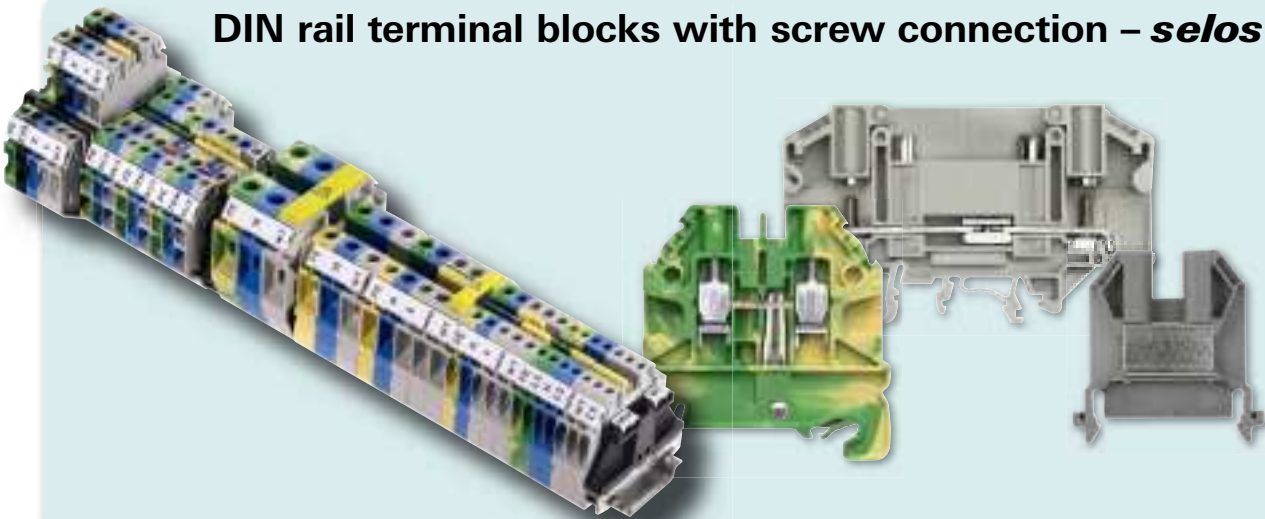
# Wieland DIN Rail Terminal Blocks – One System

3 product families, 3 connection technologies – our DIN rail terminal block program is the right choice for every installation, wherever the control cabinet is found-in machinery or plant engineering, energy technology or building installation, or with screw, tension spring or push-in connection.

The ultimately flexible DIN rail terminal block systems **selos** and **fasis** offer optimum handling and harmonized accessories. This guarantees not only fast wiring time, but also reduces cost of inventory at your facility and in the supply chain.

Customized assembly service, customer-specific solutions and a comprehensive service portfolio match our products individually with the requirements of our customers.

## DIN rail terminal blocks with screw connection – **selos**

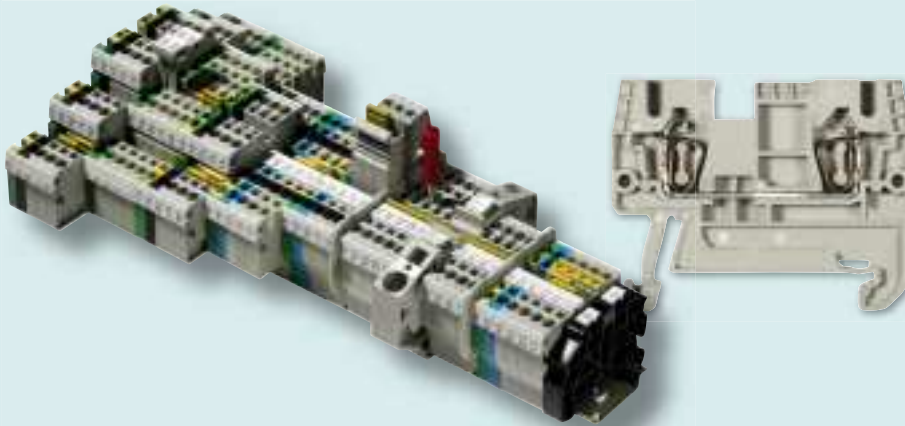


## DIN rail terminal blocks with push-in connection – **fasis** WTP



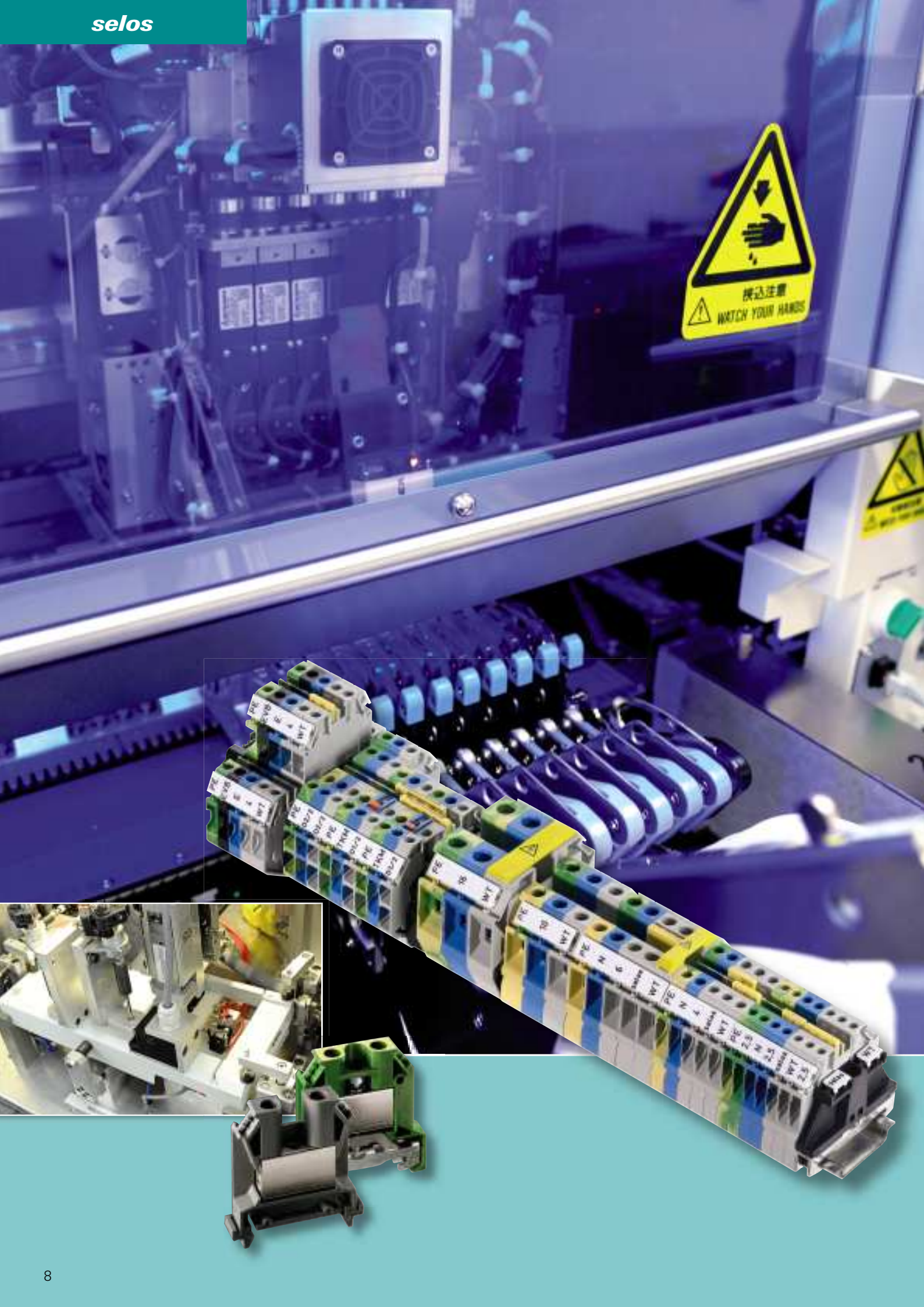
## – Many Possibilities

DIN rail terminal blocks with tension spring connection  
– **fasis** WKFN



## Accessories, software and service





# **selos** – DIN Rail Terminal Blocks with **Screw Connection**

Reliable connection, proven concept! **selos** is our DIN rail terminal block with screw connection, solid and functional, known worldwide, and in use millions of times over.

The **selos** series combines the classic screw connection with modern connection technology, with the focus on customer benefits and increased efficiency in wiring and the supply chain.

The **selos** CLASSIC series offers the highest-quality connecting technology. Thanks to its unique clamping body design, aluminum or copper wire connections are long-lasting and maintenance-free.

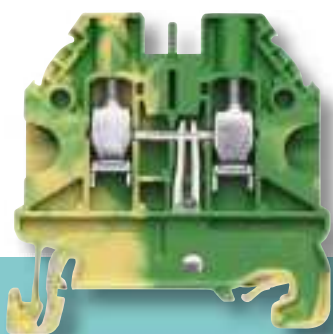
The **selos** product line includes feed-through and ground blocks with 2, 3 or 4 termination points, multi-tier blocks in two- and three-tier designs, knife-edge disconnect blocks and fuse blocks. In addition, specialty function blocks are available with a wide variety of diode circuits and diverse application-specific terminals, such as transformer disconnect terminals.

**selos** has been designed for use in machinery and plant construction as well as hazardous locations subject to explosion.

Connection cross-section up to 240 mm<sup>2</sup>

Rated current up to 415 A

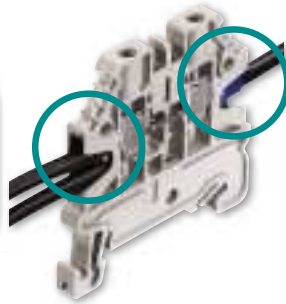
Rated voltage up to 1000 V



## DIN Rail Terminal Blocks with Screw Connection

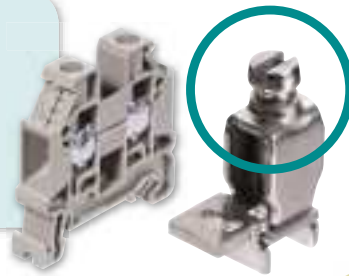
### Simply connect

- Multi-wire connection
- Connect with or without ferrules



### Reliable and maintenance-free

- Rugged clamping body design
- One-piece threaded collar
- Stress-free connecting and reconnecting



### Smaller size

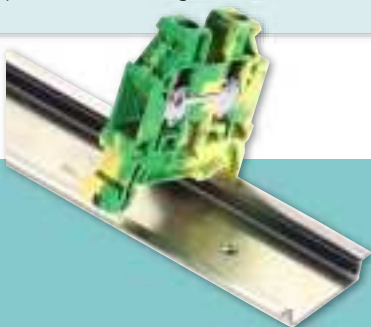
### Uniform design

### Fewer accessories



### Time-saving assembly

- Snap-on screwless ground blocks

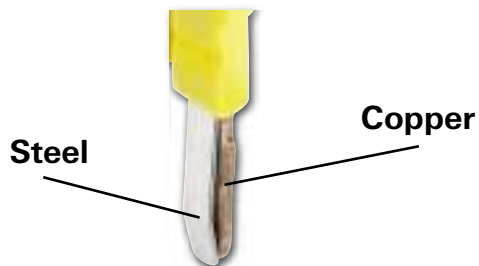
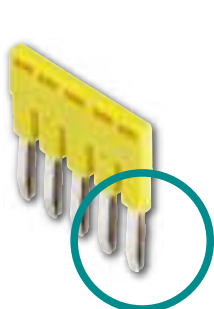


### Plug & Play

- Dual jumpering channels
- Plug-in jumper bars
- Plug-in test adapter



## Wieland jumpering system – Perfect technology



### Perfect technology

- Copper current bar guarantees low contact resistance
- Steel spring guarantees strength, durability, and long-term stability

### Extremely rugged!

- Indestructible steel spring
- Vibration-proof connection



### Simple customization

- Individual poles easy to remove
- Circuits easy to identify



## Wieland marking system – Reliable identification

### Marking strips – Dependable

- Maximum hold to the terminal
- Solidify integrity of rail assembly



### Endless strip – Effective

- Mounting facility for endless strips permits single step marking of entire assembly
- Continuous labeling
- Uses commercially available labeling systems



### Marking tags – Individual

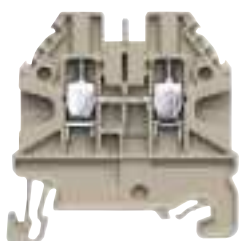
- Individual labeling with minimum effort
- Ideal for service and maintenance



## Feed-through blocks with screw connection

### WT 2,5

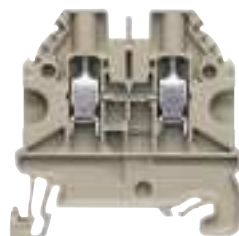
- Feed-through block with screw connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Max. electrical data: 32 A/4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 1.5 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Feed-through block, gray              | WT 2,5                 | 58.503.0055.0 | 100        |
| Feed-through block, blue              | WT 2,5 BL              | 58.503.0055.6 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 48 mm / 48 mm   |               |            |
| Wire strip length                     | 9 mm                   |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1          |               |            |
| Cross section fine-stranded           | 0.14–4 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.14–4 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 26–12         | 26–12      |
| Rated current                         | 24 A                   | 20 A          | 20 A       |
| Rated voltage                         | 1000 V                 | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
| End plate                             | AP WT 2,5-10           | 07.313.2555.0 | 10         |
| Cross connector                       | 2 pole IVB WKF 2,5-2   | Z7.280.6227.0 | 10         |
|                                       | 3 pole IVB WKF 2,5-3   | Z7.280.6327.0 | 10         |
|                                       | 4 pole IVB WKF 2,5-4   | Z7.280.6427.0 | 10         |
|                                       | 5 pole IVB WKF 2,5-5   | Z7.280.6527.0 | 10         |
|                                       | 10 pole IVB WKF 2,5-10 | Z7.280.7027.0 | 20         |
|                                       | 20 pole IVB WKF 2,5-20 | Z7.280.8027.0 | 20         |

### WT 4

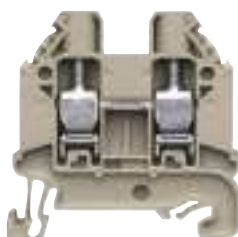
- Feed-through block with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Max. electrical data: 41 A/6 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Feed-through block, gray              | WT 4                   | 58.504.0055.0 | 100        |
| Feed-through block, blue              | WT 4 BL                | 58.504.0055.6 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 48 mm / 48 mm   |               |            |
| Wire strip length                     | 9 mm                   |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1          |               |            |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 26–10         | 26–10      |
| Rated current                         | 32 A                   | 30 A          | 30 A       |
| Rated voltage                         | 1000 V                 | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
| End plate                             | AP WT 2,5-10           | 07.313.2555.0 | 10         |
| Cross connector                       | 2 pole IVB WKF 4-2     | Z7.261.1227.0 | 10         |
|                                       | 3 pole IVB WKF 4-3     | Z7.261.1327.0 | 10         |
|                                       | 4 pole IVB WKF 4-4     | Z7.261.1427.0 | 10         |
|                                       | 5 pole IVB WKF 4-5     | Z7.261.1527.0 | 10         |
|                                       | 10 pole IVB WKF 4-10   | Z7.261.2027.0 | 20         |

### WT 6

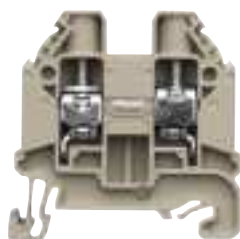
- Feed-through block with screw connection for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>
- Max. electrical data: 57 A/10 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.2 – 4 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Feed-through block, gray              | WT 6                   | 58.506.0055.0 | 100        |
| Feed-through block, blue              | WT 6 BL                | 58.506.0055.6 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 8 mm / 48 mm / 48 mm   |               |            |
| Wire strip length                     | 11 mm                  |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1          |               |            |
| Cross section fine-stranded           | 0.2–10 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.2–10 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 24–8          | 24–8       |
| Rated current                         | 41 A                   | 50 A          | 50 A       |
| Rated voltage                         | 1000 V                 | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
| End plate                             | AP WT 2,5-10           | 07.313.2555.0 | 10         |
| Cross connector                       | 2 pole IVB WKFN 6-2    | Z7.282.5227.0 | 10         |
|                                       | 3 pole IVB WKFN 6-3    | Z7.282.5327.0 | 10         |
|                                       | 4 pole IVB WKFN 6-4    | Z7.282.5427.0 | 10         |
|                                       | 5 pole IVB WKFN 6-5    | Z7.282.5527.0 | 10         |
|                                       | 10 pole IVB WKFN 6-10  | Z7.282.6027.0 | 10         |

**WT 10**

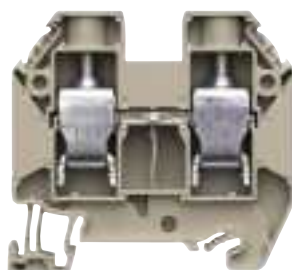
- Feed-through block with screw connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>
- Max. electrical data: 76 A/16 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.5 – 6 mm<sup>2</sup>



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Feed-through block, gray              | WT 10                    | 58.510.0055.0 | 50         |
| Feed-through block, blue              | WT 10 BL                 | 58.510.0055.6 | 50         |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 10 mm / 48 mm / 48 mm    |               |            |
| Wire strip length                     | 13 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1            |               |            |
| Cross section fine-stranded           | 0.5 – 16 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.5 – 16 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          | 20–6          | 20–6       |
| Rated current                         | 57 A                     | 65 A          | 65 A       |
| Rated voltage                         | 1000 V                   | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |
| <b>Accessories</b>                    |                          |               |            |
|                                       | Type                     | Part No.      | Std. Pack  |
| End plate                             | AP WT 2,5-10             | 07.313.2555.0 | 10         |
| Cross connector                       | 2 pole IVB WKF 10-2      | Z7.283.8227.0 | 10         |

**WT 16**

- Feed-through block with screw connection for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>
- Max. electrical data: 101 A/25 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 2.5 – 10 mm<sup>2</sup>



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Feed-through block, gray              | WT 16                    | 58.516.0055.0 | 50         |
| Feed-through block, blue              | WT 16 BLAU               | 58.516.0055.6 | 50         |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 12 mm / 58 mm / 54mm     |               |            |
| Wire strip length                     | 15 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1            |               |            |
| Cross section fine-stranded           | 4 – 25 mm <sup>2</sup>   |               | pending    |
| Cross section solid/stranded          | 1.5 – 25 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          | 16–4          | 16–4       |
| Rated current                         | 76 A                     | 85 A          | 85 A       |
| Rated voltage                         | 1000 V                   | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |
| <b>Accessories</b>                    |                          |               |            |
|                                       | Type                     | Part No.      | Std. Pack  |
| End plate                             | AP WT 16                 | 07.313.2755.0 | 10         |
| Cross connector                       | 2 pole IVB WKF 16-2      | Z7.284.4227.0 | 10         |

**Accessories for selos WT 2,5 – WT 16**

| Accessories                           |            | Type         | Part No.      | Std. Pack |
|---------------------------------------|------------|--------------|---------------|-----------|
| Cover with warning symbol             | for WT 2,5 | AD WT 2,5    | 04.344.1455.8 | 10        |
|                                       | for WT 4   | AD WT 4      | 04.344.1655.8 | 10        |
|                                       | for WT 6   | AD WT 6/10   | 04.344.1855.8 | 10        |
|                                       | for WT 10  | AD WT 6/10   | 04.344.1855.8 | 10        |
|                                       | for WT 16  | AD WT 16     | 04.344.2255.8 | 10        |
| Partition for WT 2,5 – WT 10          |            | TW WT 2,5-10 | 07.313.2655.0 | 10        |
| Partition for WT 16                   |            | TW WT 4E     | 07.313.2855.0 | 10        |
| Test adapter modular for WT 2,5 and 4 |            | PS WKC/F     | Z1.299.9753.0 | 10        |
| End plate for test adapter *          |            | ZP/AP PS     | 07.312.6053.0 | 10        |

\* for WT4 an end cover plate must be snapped in after each test connector

## Feed-through blocks with screw connection

### WKN 35/U

- Feed-through block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 35 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143
- Enclosed design



| Description                                   | Type                                                                                                                                                                                                                                                                                                                                                                  | Part No.      | Std. Pack                                                                                      |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Feed-through block, gray                      | WKN 35/U                                                                                                                                                                                                                                                                                                                                                              | 57.535.0155.0 | 20                                                                                             |
| Feed-through block Exi, blue                  | WKN 35/U BLAU                                                                                                                                                                                                                                                                                                                                                         | 57.535.0155.6 | 20                                                                                             |
| <b>General data</b>                           |                                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                                |
| Width / length / height, incl. TS 7.5         | 16 mm / 71 mm / 68 mm                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                |
| Wire strip length                             | 18 mm                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                |
| Approvals                                     | EPM     KEMA 02 ATEX 2114 U |               |                                                                                                |
| <b>Technical data</b>                         | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                            | <b>UL</b>     | <b>CSA</b>  |
|                                               | EN 60 947-7-1                                                                                                                                                                                                                                                                                                                                                         |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded                   | 10–35 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                 | 10–2 AWG      | 12–2 AWG 10–35 mm <sup>2</sup>                                                                 |
| Cross section solid/stranded                  | 10–50 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                 |               | 10–50 mm <sup>2</sup>                                                                          |
| Rated current                                 | 125 A                                                                                                                                                                                                                                                                                                                                                                 | 150 A         | 150 A 86/124 A                                                                                 |
| Rated voltage                                 | 1000 V                                                                                                                                                                                                                                                                                                                                                                | 600 V         | 600 V 690 V <sup>1)</sup>                                                                      |
| Rated impulse voltage                         | 8 kV                                                                                                                                                                                                                                                                                                                                                                  |               |                                                                                                |
| Pollution degree                              | 3                                                                                                                                                                                                                                                                                                                                                                     |               |                                                                                                |
| <b>Accessories</b>                            |                                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                                |
| Partition, gray                               | TWN 35                                                                                                                                                                                                                                                                                                                                                                | 07.311.7855.0 | 10                                                                                             |
| Cross connector with screws, 2 pole insulated | IVB WKN 35 - 2                                                                                                                                                                                                                                                                                                                                                        | Z7.285.2227.0 | 5                                                                                              |
| 3 pole                                        | IVB WKN 35 - 3                                                                                                                                                                                                                                                                                                                                                        | Z7.285.2327.0 | 5                                                                                              |
| up to 6 pole                                  | IVB WKN 35 - 6                                                                                                                                                                                                                                                                                                                                                        | Z7.285.2627.0 | 5                                                                                              |
| up to 12 pole                                 | IVB WKN 35 - 12                                                                                                                                                                                                                                                                                                                                                       | Z7.285.3227.0 | 5                                                                                              |
| Single cover with marking facility            | AD VB 35 GELB                                                                                                                                                                                                                                                                                                                                                         | 04.326.2553.8 | 10                                                                                             |
| Cover with warning symbol over 4 blocks       | AD VB 16/4 GELB                                                                                                                                                                                                                                                                                                                                                       | 04.343.5256.8 | 10                                                                                             |

### WKN 70/U

- Feed-through block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 70 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143
- Enclosed design



| Description                                   | Type                                                                                                                                                                                                                                                                                                                                                                    | Part No.      | Std. Pack                                                                                        |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray                      | WKN 70/U                                                                                                                                                                                                                                                                                                                                                                | 57.570.0155.0 | 20                                                                                               |
| Feed-through block Exi, blue                  | WKN 70/U BLAU                                                                                                                                                                                                                                                                                                                                                           | 57.570.0155.6 | 20                                                                                               |
| <b>General data</b>                           |                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                                  |
| Width / length / height, incl. TS 7.5         | 24 mm / 77 mm / 81 mm                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                                  |
| Wire strip length                             | 24 mm                                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                                  |
| Approvals                                     |     KEMA 02 ATEX 2114 U |               |                                                                                                  |
| <b>Technical data</b>                         | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                              | <b>UL</b>     | <b>CSA</b>  |
|                                               | EN 60 947-7-1                                                                                                                                                                                                                                                                                                                                                           |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded                   | 10–70 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                   | 6–2/0 AWG     | 6–2/0 AWG 10–70 mm <sup>2</sup>                                                                  |
| Cross section solid/stranded                  | 16–95 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                   |               | 16–95 mm <sup>2</sup>                                                                            |
| Rated current                                 | 192 A                                                                                                                                                                                                                                                                                                                                                                   | 175/175 A     | 170 A 179/179 A <sup>2)</sup>                                                                    |
| Rated voltage                                 | 1000 V                                                                                                                                                                                                                                                                                                                                                                  | 600 V         | 600 V 690 V                                                                                      |
| Rated impulse voltage                         | 8 kV                                                                                                                                                                                                                                                                                                                                                                    |               |                                                                                                  |
| Pollution degree                              | 3                                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                                  |
| <b>Accessories</b>                            |                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                                  |
| Partition, gray                               | TWN 70                                                                                                                                                                                                                                                                                                                                                                  | 07.311.7955.0 | 10                                                                                               |
| Cross connector with screws, 2 pole insulated | VB WKN 70 - 2                                                                                                                                                                                                                                                                                                                                                           | Z7.286.3227.0 | 10                                                                                               |
| 3 pole                                        | VB WKN 70 - 3                                                                                                                                                                                                                                                                                                                                                           | Z7.286.3327.0 | 10                                                                                               |
| up to 6 pole                                  | VB WKN 70 - 6                                                                                                                                                                                                                                                                                                                                                           | Z7.286.3627.0 | 10                                                                                               |
| Single cover with marking facility            | AD VB 70 GELB                                                                                                                                                                                                                                                                                                                                                           | 04.326.2653.8 | 10                                                                                               |
| Cover with warning symbol over 4 blocks       | AD VB 24/4 GELB                                                                                                                                                                                                                                                                                                                                                         | 04.343.5356.8 | 10                                                                                               |

### WKN 150/U

- Feed-through block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 150 mm<sup>2</sup>
- Ex e I/II  II GD IM2  
Follow the EX installation instructions on page 143
- Enclosed design



| Description                                   | Type                                                                                                                                                                                                                                                                                        | Part No.          | Std. Pack                                                                                        |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray                      | WKN 150/U                                                                                                                                                                                                                                                                                   | 57.597.0155.0     | 10                                                                                               |
| Feed-through block Exi, blue                  | WKN 150/U BLAU                                                                                                                                                                                                                                                                              | 57.597.0155.6     | 10                                                                                               |
| <b>General data</b>                           |                                                                                                                                                                                                                                                                                             |                   |                                                                                                  |
| Width / length / height, incl. TS 7.5         | 28 mm / 96 mm / 99 mm                                                                                                                                                                                                                                                                       |                   |                                                                                                  |
| Wire strip length                             | 30 mm                                                                                                                                                                                                                                                                                       |                   |                                                                                                  |
| Approvals                                     | ATEX LR    KEMA 02 ATEX 2114 U |                   |                                                                                                  |
| <b>Technical data</b>                         | <b>IEC</b>                                                                                                                                                                                                                                                                                  | <b>UL</b>         | <b>CSA</b>  |
|                                               | EN 60 947-7-1                                                                                                                                                                                                                                                                               |                   | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded                   | 35–150 mm <sup>2</sup>                                                                                                                                                                                                                                                                      | 2/0 AWG-350 kcmil | 2/0 AWG-350 kcmil 35–150 mm <sup>2</sup>                                                         |
| Cross section solid/stranded                  | 35–185 mm <sup>2</sup>                                                                                                                                                                                                                                                                      |                   | 35–185 mm <sup>2</sup>                                                                           |
| Rated current                                 | 309 A                                                                                                                                                                                                                                                                                       | 335/335 A         | 365 A 290/309 A <sup>2)</sup>                                                                    |
| Rated voltage                                 | 1000 V                                                                                                                                                                                                                                                                                      | 600 V             | 600 V 690 V                                                                                      |
| Rated impulse voltage                         | 8 kV                                                                                                                                                                                                                                                                                        |                   |                                                                                                  |
| Pollution degree                              | 3                                                                                                                                                                                                                                                                                           |                   |                                                                                                  |
| <b>Accessories</b>                            |                                                                                                                                                                                                                                                                                             |                   |                                                                                                  |
| Partition, gray                               |                                                                                                                                                                                                                                                                                             |                   |                                                                                                  |
| Cross connector with screws, 2 pole insulated | VB WKN 150 - 2                                                                                                                                                                                                                                                                              | Z7.287.1227.0     | 5                                                                                                |
| 3 pole                                        | VB WKN 150 - 3                                                                                                                                                                                                                                                                              | Z7.287.1327.0     | 5                                                                                                |
| up to 6 pole                                  | VB WKN 150 - 6                                                                                                                                                                                                                                                                              | Z7.287.1627.0     | 5                                                                                                |
| Cover with warning symbol over 4 blocks       | AD VB 28/4 GELB                                                                                                                                                                                                                                                                             | 04.343.5456.8     | 10                                                                                               |

**Supply set**

| Description | Type                 | Part No.      | Std. Pack |
|-------------|----------------------|---------------|-----------|
| Supply set  | WKN 70 3D/N/SL/U     | 57.570.9855.0 | 1         |
| Supply set  | WKN 70 3D/2N/SL/U    | 57.570.9955.0 | 1         |
| Supply set  | WKN 150/70 3D/N/SL/U | 57.597.9855.0 | 1         |
| Supply set  | WKN 150/3D/N/U       | 57.597.9955.0 | 1         |

## Ground blocks with screw connection

### WT 2,5 PE

- Ground block with screw connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 1.5 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Ground block, green/yellow            | WT 2,5 PE              | 58.503.9055.0 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 48 mm / 48 mm   |               |            |
| Wire strip length                     | 9 mm                   |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 94-7-2           |               |            |
| Cross section fine-stranded           | 0.14–4 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.14–4 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 26–12         | 26–12      |
| Rated current                         |                        |               |            |
| Rated voltage                         | 1000 V                 | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
|                                       | Type                   | Part No.      | Std. Pack  |
| End plate                             | AP WT 2,5 - 10         | 07.313.2555.0 | 10         |

### WT 4 PE

- Ground block with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Ground block, green/yellow            | WT 4 PE                | 58.504.9055.0 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 48 mm / 48 mm   |               |            |
| Wire strip length                     | 9 mm                   |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 94-7-2           |               |            |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 26–10         | 26–10      |
| Rated current                         |                        |               |            |
| Rated voltage                         | 1000 V                 | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
|                                       | Type                   | Part No.      | Std. Pack  |
| End plate                             | AP WT 2,5 - 10         | 07.313.2555.0 | 10         |

### WT 6 PE

- Ground block with screw connection for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.2 – 4 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Ground block, green/yellow            | WT 6 PE                | 58.506.9055.0 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 8 mm / 48 mm / 48 mm   |               |            |
| Wire strip length                     | 11 mm                  |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 94-7-2           |               |            |
| Cross section fine-stranded           | 0.2–10 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.2–10 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 24–8          | 24–8       |
| Rated current                         |                        |               |            |
| Rated voltage                         | 1000 V                 | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
|                                       | Type                   | Part No.      | Std. Pack  |
| End plate                             | AP WT 2,5 - 10         | 07.313.2555.0 | 10         |

**WT 10 PE**

- Ground block with screw connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.5 – 6 mm<sup>2</sup>



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Ground block, green/yellow            | WT 10 PE                 | 58.510.9055.0 | 50         |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 10 mm / 48 mm / 48 mm    |               |            |
| Wire strip length                     | 13 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 94-7-2             |               |            |
| Cross section fine-stranded           | 0.5 – 16 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.5 – 16 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          | 20–6          | 20–6       |
| Rated current                         |                          |               |            |
| Rated voltage                         | 1000 V                   | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |
| <b>Accessories</b>                    |                          |               |            |
|                                       | Type                     | Part No.      | Std. Pack  |
| End plate                             | AP WT 2,5 - 10           | 07.313.2555.0 | 10         |

**WT 16 PE**

- Ground block with screw connection for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 2.5 – 10 mm<sup>2</sup>



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Ground block, green/yellow            | WT 16 PE                 | 58.516.9055.0 | 100        |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 12 mm / 58 mm / 54 mm    |               |            |
| Wire strip length                     | 15 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 94-7-2             |               |            |
| Cross section fine-stranded           | 4 – 25 mm <sup>2</sup>   |               | pending    |
| Cross section solid/stranded          | 1.5 – 25 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          | 16–4          | 16–4       |
| Rated current                         |                          |               |            |
| Rated voltage                         | 1000 V                   | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |
| <b>Accessories</b>                    |                          |               |            |
|                                       | Type                     | Part No.      | Std. Pack  |
| End plate                             | AP WT 16                 | 07.313.2755.0 | 10         |

## Ground blocks with screw connection

### WKN 35 SL/U

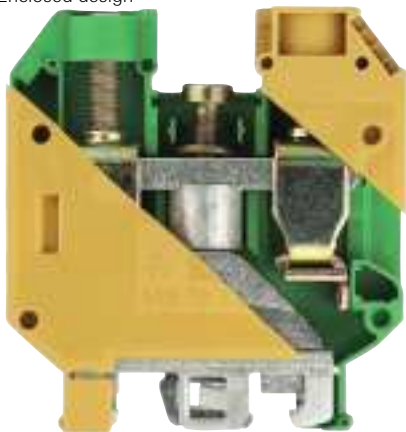
- Ground block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 35 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143
- Enclosed design



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKN 35 SL/U                                                                                                                                                                                                                                                                                                                                                                                                                                              | 57.535.9055.0 | 20                                                                                             |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 16 mm / 63 mm / 68 mm                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                                                                                |
| Wire strip length                     | 20 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                                                                                |
| Approvals                             | EPM      KEMA 02 ATEX 2114 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 10–35 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | 10–35 mm <sup>2</sup>                                                                          |
| Cross section solid/stranded          | 10–50 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | 10–50 mm <sup>2</sup>                                                                          |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10–2          | 10–2                                                                                           |
| Rated current                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                                |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 600 V         | 600 V                                                                                          |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                                                                                                |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |                                                                                                |

### WKN 70 SL/U

- Ground block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 70 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143
- Enclosed design



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                   | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKN 70 SL/U                                                                                                                                                                                                                                                                                                                                                            | 57.570.9055.0 | 20                                                                                               |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                        |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 24 mm / 75 mm / 81 mm                                                                                                                                                                                                                                                                                                                                                  |               |                                                                                                  |
| Wire strip length                     | 24 mm                                                                                                                                                                                                                                                                                                                                                                  |               |                                                                                                  |
| Approvals                             |     KEMA 02 ATEX 2114 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                             | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                                                                                                          |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 10–70 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                  |               | 10–70 mm <sup>2</sup>                                                                            |
| Cross section solid/stranded          | 16–95 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                  |               | 16–95 mm <sup>2</sup>                                                                            |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                        | 6–2/0         | 6–2/0                                                                                            |
| Rated current                         |                                                                                                                                                                                                                                                                                                                                                                        |               |                                                                                                  |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                                                                                                                  | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                      |               |                                                                                                  |

### 9700 A/35 E S 35

- Ground block with screw connection for mounting on TS 35
- Nominal cross section 35 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                   | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | 9700 A/35 E S 35                                                                                       | Z2.302.0621.0 | 25                                                                                             |
| <b>General data</b>                   |                                                                                                        |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 17 mm / 56 mm / 35 mm                                                                                  |               |                                                                                                |
| Wire strip length                     |                                                                                                        |               |                                                                                                |
| Approvals                             |  KEMA 02 ATEX 2114 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                             | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                          |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 35 mm <sup>2</sup>                                                                                     |               |                                                                                                |
| Cross section solid/stranded          | 50 mm <sup>2</sup>                                                                                     |               |                                                                                                |
| Cross section, AWG                    |                                                                                                        | 8-2           |                                                                                                |
| Rated current                         |                                                                                                        |               |                                                                                                |
| Rated voltage                         |                                                                                                        | 600 V         |                                                                                                |
| Rated impulse voltage                 |                                                                                                        |               |                                                                                                |
| Pollution degree                      |                                                                                                        |               |                                                                                                |

### 9700 A/70 E S 35

- Ground block with screw connection for mounting on TS 35
- Nominal cross section 70 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                     | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | 9700 A/70 E S 35                                                                                         | Z2.302.0421.0 | 10                                                                                               |
| <b>General data</b>                   |                                                                                                          |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 25 mm / 57 mm / 57 mm                                                                                    |               |                                                                                                  |
| Wire strip length                     |                                                                                                          |               |                                                                                                  |
| Approvals                             |  KEMA 02 ATEX 2114 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                               | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                            |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 70 mm <sup>2</sup>                                                                                       |               |                                                                                                  |
| Cross section solid/stranded          | 120 mm <sup>2</sup>                                                                                      |               |                                                                                                  |
| Cross section, AWG                    |                                                                                                          | 6-2/0         | 6-2/0                                                                                            |
| Rated current                         |                                                                                                          |               |                                                                                                  |
| Rated voltage                         |                                                                                                          | 600 V         |                                                                                                  |
| Rated impulse voltage                 |                                                                                                          |               |                                                                                                  |
| Pollution degree                      |                                                                                                          |               |                                                                                                  |

## Duo feed-through and knife edge disconnect block with screw connection

### WT 4 D1/2

- Duo feed-through block with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Max. electrical data: 41 A/6 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description                  | Type         | Part No.      | Std. Pack |
|------------------------------|--------------|---------------|-----------|
| Duo feed-through block, gray | WT 4 D1/2    | 58.504.5055.0 | 100       |
| Duo feed-through block, blue | WT 4 D1/2 BL | 58.504.5055.6 | 100       |

| General data                          |                        |       |       |         |
|---------------------------------------|------------------------|-------|-------|---------|
| Width / length / height, incl. TS 7.5 | 6 mm / 56 mm / 50 mm   |       |       |         |
| Wire strip length                     | 9 mm                   |       |       |         |
| Approvals                             |                        |       |       |         |
| Technical data                        | IEC                    | UL    | CSA   | CE      |
| EN 60 947-7-1                         |                        |       |       |         |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |       |       | pending |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |       |       |         |
| Cross section, AWG                    |                        | 26–10 | 26–10 |         |
| Rated current                         | 32 A                   | 30 A  | 30 A  |         |
| Rated voltage                         | 500 V                  | 300 V | 300 V |         |
| Rated impulse voltage                 | 6 kV                   |       |       |         |
| Pollution degree                      | 3                      |       |       |         |

| Accessories     | Type                 | Part No.      | Std. Pack |
|-----------------|----------------------|---------------|-----------|
| End plate       | AP WT 4 D1/2         | 07.313.2955.0 | 10        |
| Partition       | TW WT 4 E            | 07.313.2855.0 | 10        |
| Cross connector | 2 pole IVB WKF 4-2   | Z7.261.1227.0 | 10        |
|                 | 5 pole IVB WKF 4-5   | Z7.261.1527.0 | 10        |
|                 | 10 pole IVB WKF 4-10 | Z7.261.2027.0 | 10        |

### WT 4 D2/2

- Duo feed-through block with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Max. electrical data: 41 A/6 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description                  | Type           | Part No.      | Std. Pack |
|------------------------------|----------------|---------------|-----------|
| Duo feed-through block, gray | WT 4 D2/2      | 58.504.5155.0 | 100       |
| Duo feed-through block, blue | WT 4 D2/2 BLAU | 58.504.5155.6 | 100       |

| General data                          |                        |       |       |         |
|---------------------------------------|------------------------|-------|-------|---------|
| Width / length / height, incl. TS 7.5 | 6 mm / 68 mm / 50 mm   |       |       |         |
| Wire strip length                     | 9 mm                   |       |       |         |
| Approvals                             |                        |       |       |         |
| Technical data                        | IEC                    | UL    | CSA   | CE      |
| EN 60 947-7-1                         |                        |       |       |         |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |       |       | pending |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |       |       |         |
| Cross section, AWG                    |                        | 26–10 | 26–10 |         |
| Rated current                         | 32 A                   | 30 A  | 30 A  |         |
| Rated voltage                         | 500 V                  | 300 V | 300 V |         |
| Rated impulse voltage                 | 6 kV                   |       |       |         |
| Pollution degree                      | 3                      |       |       |         |

| Accessories     | Type                 | Part No.      | Std. Pack |
|-----------------|----------------------|---------------|-----------|
| End plate       | AP WT 4 D2/2         | 07.313.3155.0 | 10        |
| Partition       | TW WT 4 E            | 07.313.2855.0 | 10        |
| Cross connector | 2 pole IVB WKF 4-2   | Z7.261.1227.0 | 10        |
|                 | 5 pole IVB WKF 4-5   | Z7.261.1527.0 | 10        |
|                 | 10 pole IVB WKF 4-10 | Z7.261.2027.0 | 10        |

### WT 4 TKM...

- Knife edge disconnect block for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description                       | Type        | Part No.      | Std. Pack |
|-----------------------------------|-------------|---------------|-----------|
| Knife edge disconnect block, gray | WT 4 TKM    | 58.504.2055.0 | 100       |
| Knife edge disconnect block, blue | WT 4 TKM BL | 58.504.2055.6 | 100       |
| with 2 test bolts, gray           | WT 4 TKM P  | 58.504.2355.0 | 100       |

| General data                          |                        |       |       |    |
|---------------------------------------|------------------------|-------|-------|----|
| Width / length / height, incl. TS 7.5 | 6 mm / 56 mm / 50 mm   |       |       |    |
| Wire strip length                     | 9 mm                   |       |       |    |
| Approvals                             |                        |       |       |    |
| Technical data                        | IEC                    | UL    | CSA   | CE |
| EN 60 947-7-1                         |                        |       |       |    |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |       |       |    |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |       |       |    |
| Cross section, AWG                    |                        | 26–10 | 26–10 |    |
| Rated current                         | 24 A                   | 16 A  | 16 A  |    |
| Rated voltage                         | 500 V                  | 300 V | 300 V |    |
| Rated impulse voltage                 | 6 kV                   |       |       |    |
| Pollution degree                      | 3                      |       |       |    |

| Accessories     | Type                 | Part No.      | Std. Pack |
|-----------------|----------------------|---------------|-----------|
| End plate       | AP WT 4 D1/2         | 07.313.2955.0 | 10        |
| Partition       | TW WT 4 E            | 07.313.2855.0 | 10        |
| Cross connector | 2 pole IVB WKF 4-2   | Z7.261.1227.0 | 10        |
|                 | 5 pole IVB WKF 4-5   | Z7.261.1527.0 | 10        |
|                 | 10 pole IVB WKF 4-10 | Z7.261.2027.0 | 10        |

## Duo-ground blocks with screw connection

### WT 4 D 1/2 PE

- Duo-ground block with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Duo-ground block                      | WT 4 D1/2 PE           | 58.504.9355.0 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 56 mm / 50 mm   |               |            |
| Wire strip length                     | 9 mm                   |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2          |               |            |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 26–10         | 26–10      |
| Rated current                         |                        |               |            |
| Rated voltage                         | 500 V                  | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
|                                       | Type                   | Part No.      | Std. Pack  |
| End plate                             | AP WT 4 D1/2           | 07.313.2955.0 | 100        |

### WT 4 D2/2 PE

- Duo-ground block with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Duo-ground block                      | WT 4 D2/2 PE           | 58.504.9155.0 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 68 mm / 50 mm   |               |            |
| Wire strip length                     | 9 mm                   |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2          |               |            |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |               | pending    |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 26–10         | 26–10      |
| Rated current                         |                        |               |            |
| Rated voltage                         | 500 V                  | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
|                                       | Type                   | Part No.      | Std. Pack  |
| End plate                             | AP WT 4 D2/2           | 07.313.3155.0 | 10         |

## Multi-tier blocks with screw connection

### WKN 2,5 E/U

- Multi-tier block for mounting on TS 35 and TS 32
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                    | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------|---------------|------------|
| Multi-tier block, gray                | WKN 2,5 E/U             | 57.403.7055.0 | 100        |
| <b>General data</b>                   |                         |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 66 mm / 64 mm    |               |            |
| Wire strip length                     | 8 mm                    |               |            |
| Approvals                             |                         |               |            |
| <b>Technical data</b>                 | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1           |               |            |
| Cross section fine-stranded           | 0.5–2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.5–4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                    |                         | 22–12         | 24–12      |
| Rated current                         | 24 A                    | 20/25 A       | 25 V       |
| Rated voltage                         | 500 V                   | 600 V         | 600 V      |
| Rated impulse voltage                 | 6 A                     |               |            |
| Pollution degree                      | 3                       |               |            |

### WKN 2,5 E/U/VB

- Multi-tier block, vertically jumpered, with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                    | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------|---------------|------------|
| Multi-tier block, black               | WKN 2,5 E/U/VB          | 57.403.6955.1 | 100        |
| <b>General data</b>                   |                         |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 66 mm / 64 mm    |               |            |
| Wire strip length                     | 8 mm                    |               |            |
| Approvals                             |                         |               |            |
| <b>Technical data</b>                 | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1           |               |            |
| Cross section fine-stranded           | 0.5–2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.5–4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                    |                         | 22–12         | 24–12      |
| Rated current                         | 24 A                    | 20/25 A       | 25 A       |
| Rated voltage                         | 500 V                   | 600 V         | 600 V      |
| Rated impulse voltage                 | 6 A                     |               |            |
| Pollution degree                      | 3                       |               |            |

## Accessories for *selos* WKN 2,5 E/U...



| Accessories                             | Type                          | Part No.      | Std. Pack |
|-----------------------------------------|-------------------------------|---------------|-----------|
| End plate                               | gray APN 2,5 E                | 07.312.1755.0 | 10        |
| Partition                               | gray TWN 2,5 E                | 07.312.1855.0 | 10        |
| Cross connector with screws, insulated  | 2 pole IVB WK 2,5 - 2         | Z7.280.2227.0 | 10        |
|                                         | 3 pole IVB WK 2,5 - 3         | Z7.280.2327.0 | 10        |
|                                         | up to 12 pole IVB WK 2,5 - 12 | Z7.280.3227.0 | 10        |
| Partition plate with marking facility   | yellow TS 2,5 GELB            | 07.311.2053.8 | 10        |
| Single cover with marking facility      | yellow AD VB 2,5 GELB         | 04.326.2053.8 | 10        |
| Cover with warning symbol over 4 blocks |                               | 04.343.4756.8 | 10        |

**WT 4 E**

- Multi-tier block for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description            | Type      | Part No.      | Std. Pack |
|------------------------|-----------|---------------|-----------|
| Multi-tier block, gray | WT 4 E    | 58.504.7055.0 | 100       |
| Multi-tier block, blue | WT 4 E BL | 58.504.7055.6 | 100       |

| General data                          |                        |       |       |         |
|---------------------------------------|------------------------|-------|-------|---------|
| Width / length / height, incl. TS 7.5 | 6 mm / 72 mm / 67 mm   |       |       |         |
| Wire strip length                     | 9 mm                   |       |       |         |
| Approvals                             |                        |       |       |         |
| Technical data                        | IEC                    | UL    | CSA   | Ex      |
|                                       | EN 60 947-7-1          |       |       |         |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |       |       | pending |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |       |       |         |
| Cross section, AWG                    |                        | 26–10 | 26–10 |         |
| Rated current                         | 32 A                   | 30 A  | 30 A  |         |
| Rated voltage                         | 800 V                  | 300 V | 300 V |         |
| Rated impulse voltage                 | 8 kV                   |       |       |         |
| Pollution degree                      | 3                      |       |       |         |

| Accessories     | Type                 | Part No.      | Std. Pack |
|-----------------|----------------------|---------------|-----------|
| End plate       | AP WT 4 E            | 07.313.3355.0 | 10        |
| Partition       | TW WT 4 E            | 07.313.2855.0 | 10        |
| Cross connector | 2 pole IVB WKF 4-2   | Z7.261.1227.0 | 10        |
|                 | 5 pole IVB WKF 4-5   | Z7.261.1527.0 | 10        |
|                 | 10 pole IVB WKF 4-10 | Z7.261.2027.0 | 10        |

**WT 4 E VB**

- Multi-tier block, vertically jumpered, with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description             | Type      | Part No.      | Std. Pack |
|-------------------------|-----------|---------------|-----------|
| Multi-tier block, black | WT 4 E VB | 58.504.6955.1 | 100       |

| General data                          |                        |       |       |         |
|---------------------------------------|------------------------|-------|-------|---------|
| Width / length / height, incl. TS 7.5 | 6 mm / 72 mm / 67 mm   |       |       |         |
| Wire strip length                     | 9 mm                   |       |       |         |
| Approvals                             |                        |       |       |         |
| Technical data                        | IEC                    | UL    | CSA   | Ex      |
|                                       | EN 60 947-7-1          |       |       |         |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |       |       | pending |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |       |       |         |
| Cross section, AWG                    |                        | 26–10 | 26–10 |         |
| Rated current                         | 32 A                   | 30 A  | 30 A  |         |
| Rated voltage                         | 800 V                  | 300 V | 300 V |         |
| Rated impulse voltage                 | 8 kV                   |       |       |         |
| Pollution degree                      | 3                      |       |       |         |

| Accessories     | Type                 | Part No.      | Std. Pack |
|-----------------|----------------------|---------------|-----------|
| End plate       | AP WT 4 E            | 07.313.3355.0 | 10        |
| Partition       | TW WT 4 E            | 07.313.2855.0 | 10        |
| Cross connector | 2 pole IVB WKF 4-2   | Z7.261.1227.0 | 10        |
|                 | 5 pole IVB WKF 4-5   | Z7.261.1527.0 | 10        |
|                 | 10 pole IVB WKF 4-10 | Z7.261.2027.0 | 10        |

**WT 4 E PE**

- Multi-tier ground block with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



| Description                           | Type      | Part No.      | Std. Pack |
|---------------------------------------|-----------|---------------|-----------|
| Multi-tier ground block, green/yellow | WT 4 E PE | 58.504.9255.0 | 100       |

| General data                          |                        |       |       |         |
|---------------------------------------|------------------------|-------|-------|---------|
| Width / length / height, incl. TS 7.5 | 6 mm / 72 mm / 67 mm   |       |       |         |
| Wire strip length                     | 9 mm                   |       |       |         |
| Approvals                             |                        |       |       |         |
| Technical data                        | IEC                    | UL    | CSA   | Ex      |
|                                       | EN 60 947-7-2          |       |       |         |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |       |       | pending |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |       |       |         |
| Cross section, AWG                    |                        | 26–10 | 26–10 |         |
| Rated current                         |                        |       |       |         |
| Rated voltage                         | 800 V                  | 300 V | 300 V |         |
| Rated impulse voltage                 | 8 kV                   |       |       |         |
| Pollution degree                      | 3                      |       |       |         |

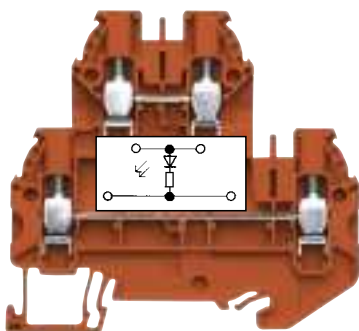
  

| Accessories | Type      | Part No.      | Std. Pack |
|-------------|-----------|---------------|-----------|
| End plate   | AP WT 4 E | 07.313.3355.0 | 10        |

## Specialty function blocks with screw connection

### WT 4 E...

- Function block with screw connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Connection capacity: 2 wires, equal size 0.14 – 2.5 mm<sup>2</sup>



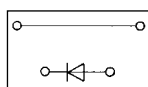
| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Function block, orange                | WT 4 E...              | 58.504.XX55.9 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 72 mm / 67 mm   |               |            |
| Wire strip length                     | 9 mm                   |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1/-2       |               |            |
| Cross section fine-stranded           | 0.14–6 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.14–6 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 26–10         | 26–10      |
| Rated current                         |                        |               |            |
| Rated voltage                         |                        |               |            |
| Rated impulse voltage                 |                        |               |            |
| Pollution degree                      |                        |               |            |
| <b>Accessories</b>                    |                        |               |            |
|                                       | Type                   | Part No.      | Std. Pack  |
| End plate, gray                       | AP WT 4 E              | 07.313.3355.0 | 10         |

### Examples of functions

The multi-tier block is available on request as a function block for a wide variety of switching tasks.

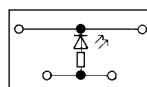
58.504.8355.9

58.504.8055.9  
with inverted diode



400 V  
1 A/1000 V

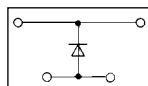
58.504.7455.9 LED red



24 V DC  
R = 4,7 K  
0,4 W

58.504.8255.9

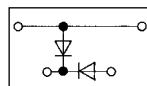
58.504.8155.9  
with inverted diode



400 V  
1 A/1000 V

58.504.7955.9

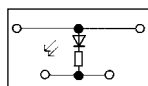
58.504.8855.9  
with inverted diodes



1 A/400 V

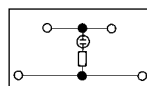
58.504.7255.9 LED red

58.504.8755.9 LED green



24 V DC  
R = 4,7 K  
0,4 W

58.504.7355.9



U = 100-500 V

## Three-tier-/Initiator blocks with screw connection

WK 2,5-3 D/U

- Multi-tier block for mounting on TS 35 and TS 32
- Nominal cross section 2.5 mm<sup>2</sup>

WK 2,5 - 3 D/U-NGN

WK 2,5 - 3 D/U-PGN

WK 2,5-3 D/SL

- Multi-tier block for mounting on TS 35
- Nominal cross section 2,5 mm<sup>2</sup>

WK 2,5 - 3 D SL-NGN

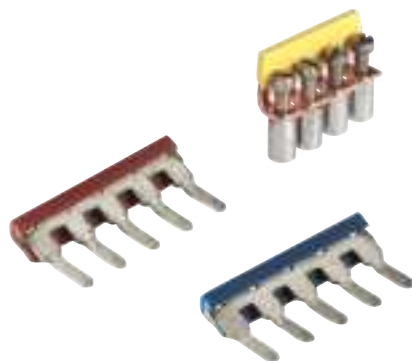
WK 2,5 - 3 D SL-PGN

| Description                                    | Type                    | Part No.      | Std. Pack |    |
|------------------------------------------------|-------------------------|---------------|-----------|----|
| Multi-tier block, gray                         | WK 2,5 - 3 D/U          | 57.503.8855.0 | 50        |    |
| Multi-tier bl., LED (green) betw. signal and + | WK 2,5 - 3 D/U-NGN      | 57.503.8955.0 | 50        |    |
| Multi-tier bl., LED (green) betw. signal and – | WK 2,5 - 3 D/U-PGN      | 57.503.9055.0 | 50        |    |
| General data                                   |                         |               |           |    |
| Width / length / height, incl. TS 7.5          | 6 mm / 79 mm / 69 mm    |               |           |    |
| Wire strip length                              | 7 mm                    |               |           |    |
| Approvals                                      |                         |               |           |    |
| Technical data                                 | IEC                     | UL            | CSA       | Ex |
|                                                | EN 60 947-7-1           |               |           |    |
| Cross section fine-stranded                    | 0.5–2.5 mm <sup>2</sup> |               |           |    |
| Cross section solid/stranded                   | 0.5–4 mm <sup>2</sup>   |               |           |    |
| Cross section, AWG                             |                         | 22–12         | 22–12     |    |
| Rated current                                  | 24 A                    | 25 A          | 25 A      |    |
| Rated voltage                                  | 400 V*                  | 300 V*        | 300 V*    |    |
| Rated impulse voltage                          | 6 kV                    |               |           |    |
| Pollution degree                               | 3                       |               |           |    |
| Accessories                                    |                         |               |           |    |
| Partition, gray                                | Type                    | Part No.      | Std. Pack |    |
|                                                | TW 2,5 - 3 D/U          | 07.312.1255.0 | 50        |    |

| Description                                    | Type                    | Part No.      | Std. Pack |    |
|------------------------------------------------|-------------------------|---------------|-----------|----|
| Multi-tier block, gray                         | WK 2,5 - 3 D SL         | 56.503.8355.0 | 50        |    |
| Multi-tier bl., LED (green) betw. signal and + | WK 2,5 - 3 D SL-NGN     | 56.503.8455.0 | 50        |    |
| Multi-tier bl., LED (green) betw. signal and – | WK 2,5 - 3 D SL-PGN     | 56.503.8555.0 | 50        |    |
| General data                                   |                         |               |           |    |
| Width / length / height, incl. TS 7.5          | 6 mm / 79 mm / 69 mm    |               |           |    |
| Wire strip length                              | 7 mm                    |               |           |    |
| Approvals                                      |                         |               |           |    |
| Technical data                                 | IEC                     | UL            | CSA       | Ex |
|                                                | EN 60 947-7-1           |               |           |    |
| Cross section fine-stranded                    | 0.5–2.5 mm <sup>2</sup> |               |           |    |
| Cross section solid/stranded                   | 0.5–4 mm <sup>2</sup>   |               |           |    |
| Cross section, AWG                             |                         | 22–12         | 22–12     |    |
| Rated current                                  | 24 A                    | 25 A          | 25 A      |    |
| Rated voltage                                  | 400 V*                  | 300 V*        | 300 V*    |    |
| Rated impulse voltage                          | 6 kV                    |               |           |    |
| Pollution degree                               | 3                       |               |           |    |
| Accessories                                    |                         |               |           |    |
| Partition, gray                                | Type                    | Part No.      | Std. Pack |    |
|                                                | TW 2,5 - 3 D/U          | 07.312.1255.0 | 50        |    |

## Accessories for selos WK 2,5-3 D/...

- The use of cross connectors (jumper combs), requires partitions in order to maintain the air and creepage distances.
- \* 24 V~ with LED

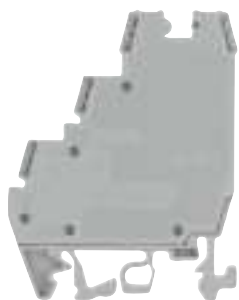


| Accessories                                                |               | Type                 | Part No.      | Std. Pack |
|------------------------------------------------------------|---------------|----------------------|---------------|-----------|
| Cross connector with screws,<br>insulated, for upper level | 2 pole        | IVB WK/3D-02         | Z7.270.0227.0 | 10        |
|                                                            | 3 pole        | IVB WK/3D-03         | Z7.270.0327.0 | 10        |
|                                                            | up to 12 pole | IVB WK/3D-12         | Z7.270.1227.0 | 10        |
| Jumper comb, angled,<br>insulated (red), for lower level   | 2 pole        | IVB WK 2,5-K-2 ROT   | Z7.267.0227.5 | 10        |
|                                                            | 3 pole        | IVB WK 2,5-K-3 ROT   | Z7.267.0327.5 | 10        |
|                                                            | up to 12 pole | IVB WK 2,5-K-12 ROT  | Z7.267.1227.5 | 10        |
| Jumper comb, angled,<br>insulated (blue), for lower level  | 2 pole        | IVB WK 2,5-K-2 BLAU  | Z7.267.0227.6 | 10        |
|                                                            | 3 pole        | IVB WK 2,5-K-3 BLAU  | Z7.267.0327.6 | 10        |
|                                                            | up to 12 pole | IVB WK 2,5-K-12 BLAU | Z7.267.1227.6 | 10        |

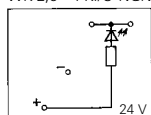
## Initiator blocks with screw connection

### WK 2,5-4 KI/U

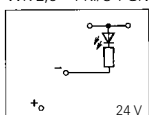
- Initiator block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2.5 mm<sup>2</sup>



WK 2,5 - 4 KI/U-NGN



WK 2,5 - 4 KI/U-PGN



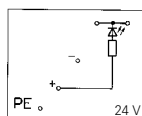
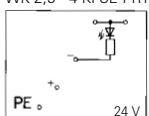
| Description                                    | Type                                                                                                                                                                                                                                                         | Part No.      | Std. Pack |                                                                                     |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|-------------------------------------------------------------------------------------|
| Initiator block, gray                          | WK 2,5 - 4 KI/U                                                                                                                                                                                                                                              | 57.503.7855.0 | 100       |                                                                                     |
| Multi-tier bl., LED (green) betw. signal and + | WK 2,5 - 4 KI/U-NGN                                                                                                                                                                                                                                          | 57.503.7955.0 | 100       |                                                                                     |
| Multi-tier bl., LED (green) betw. signal and – | WK 2,5 - 4 KI/U-PGN                                                                                                                                                                                                                                          | 57.503.8055.0 | 100       |                                                                                     |
| General data                                   |                                                                                                                                                                                                                                                              |               |           |                                                                                     |
| Width / length / height, incl. TS 7.5          | 6 mm / 53 mm / 69 mm                                                                                                                                                                                                                                         |               |           |                                                                                     |
| Wire strip length                              | 7 mm                                                                                                                                                                                                                                                         |               |           |                                                                                     |
| Approvals                                      | EPM    |               |           |                                                                                     |
| Technical data                                 | IEC                                                                                                                                                                                                                                                          | UL            | CSA       |  |
|                                                | EN 60 947-7-1                                                                                                                                                                                                                                                |               |           |                                                                                     |
|                                                | DIN VDE 0611 T1                                                                                                                                                                                                                                              |               |           |                                                                                     |
| Cross section fine-stranded                    | 0.5 – 2.5 mm²                                                                                                                                                                                                                                                |               |           |                                                                                     |
| Cross section solid/stranded                   | 0.5 – 4 mm²                                                                                                                                                                                                                                                  |               |           |                                                                                     |
| Cross section, AWG                             |                                                                                                                                                                                                                                                              | 22 – 12       | 22 – 12   |                                                                                     |
| Rated current                                  | 24 A                                                                                                                                                                                                                                                         | 25 A          | 25 A      |                                                                                     |
| Rated voltage                                  | 250 V*                                                                                                                                                                                                                                                       | 300 V*        | 300 V*    |                                                                                     |
| Rated impulse voltage                          | 4 kV                                                                                                                                                                                                                                                         |               |           |                                                                                     |
| Pollution degree                               | 3                                                                                                                                                                                                                                                            |               |           |                                                                                     |
| Accessories                                    |                                                                                                                                                                                                                                                              |               |           |                                                                                     |
| Partition, gray                                | Type                                                                                                                                                                                                                                                         | Part No.      | Std. Pack |                                                                                     |
|                                                | TW 2,5 - 4 K/U                                                                                                                                                                                                                                               | 07.312.0555.0 | 10        |                                                                                     |

### WK 2,5-4 KI/SL

- Initiator block with screw connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



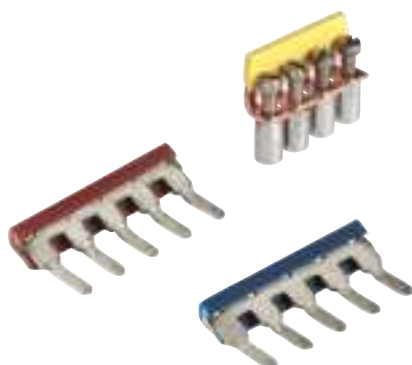
WK 2,5 - 4 KI SL-NGN


WK 2,5 - 4 KI SL-PGN  
WK 2,5 - 4 KI SL-PRT


| Description                                    | Type                                                                                                                                                                           | Part No.      | Std. Pack     |                                                                                       |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------------------------------------------------------------------------------|
| Initiator block, gray                          | WK 2,5 - 4 KI SL                                                                                                                                                               | 56.503.7355.0 | 100           |                                                                                       |
| Multi-tier bl., LED (green) betw. signal and + | WK 2,5 - 4 KI SL-NGN                                                                                                                                                           | 56.503.7455.0 | 100           |                                                                                       |
| Multi-tier bl., LED (green) betw. signal and – | WK 2,5 - 4 KI SL-PGN                                                                                                                                                           | 56.503.7555.0 | 100           |                                                                                       |
| Multi-tier bl., LED (red) betw. signal and –   | WK 2,5 - 4 KI SL-PRT                                                                                                                                                           | 56.503.7655.0 | 100           |                                                                                       |
| General data                                   |                                                                                                                                                                                |               |               |                                                                                       |
| Width / length / height, incl. TS 7.5          | 6 mm / 64 mm / 69 mm                                                                                                                                                           |               |               |                                                                                       |
| Wire strip length                              | 7 mm                                                                                                                                                                           |               |               |                                                                                       |
| Approvals                                      | EPM   |               |               |                                                                                       |
| Technical data                                 | IEC                                                                                                                                                                            | UL            | CSA           |  |
|                                                | EN 60 947-7-1                                                                                                                                                                  |               |               |                                                                                       |
|                                                | DIN VDE 0611 T1                                                                                                                                                                |               |               |                                                                                       |
| Cross section fine-stranded                    | 0.5 – 2.5 mm <sup>2</sup>                                                                                                                                                      |               |               |                                                                                       |
| Cross section solid/stranded                   | 0.5 – 4 mm <sup>2</sup>                                                                                                                                                        |               |               |                                                                                       |
| Cross section, AWG                             |                                                                                                                                                                                | 22 – 12       | 22 – 12       |                                                                                       |
| Rated current                                  | 24 A                                                                                                                                                                           | 25 A          | 25 A          |                                                                                       |
| Rated voltage                                  | 250 V*                                                                                                                                                                         | 300 V*        | 300 V*        |                                                                                       |
| Rated impulse voltage                          | 4 kV                                                                                                                                                                           |               |               |                                                                                       |
| Pollution degree                               | 3                                                                                                                                                                              |               |               |                                                                                       |
| Accessories                                    |                                                                                                                                                                                |               |               |                                                                                       |
| Partition, gray                                | TW 2,5 - 4 K/U                                                                                                                                                                 | Part No.      | 07.312.0555.0 | Std. Pack                                                                             |
|                                                |                                                                                                                                                                                |               |               | 10                                                                                    |

## Accessories for selos WK 2,5-4 KI/...

- The use of cross connectors (jumper combs), requires partitions in order to maintain the air and creepage distances.
- \* 24 V– with LED



| Accessories                                             | Type          | Part No.             | Std. Pack     |
|---------------------------------------------------------|---------------|----------------------|---------------|
| Cross connector with screws, insulated, for upper level | 2 pole        | IVB WK/3D-02         | Z7.270.0227.0 |
|                                                         | 3 pole        | IVB WK/3D-03         | Z7.270.0327.0 |
|                                                         | up to 12 pole | IVB WK/3D-12         | Z7.270.1227.0 |
| Jumper comb, angled, insulated (red), for lower level   | 2 pole        | IVB WK 2,5-K-2 ROT   | Z7.267.0227.5 |
|                                                         | 3 pole        | IVB WK 2,5-K-3 ROT   | Z7.267.0327.5 |
|                                                         | up to 12 pole | IVB WK 2,5-K-12 ROT  | Z7.267.1227.5 |
| Jumper comb, angled, insulated (blue), for lower level  | 2 pole        | IVB WK 2,5-K-2 BLAU  | Z7.267.0227.6 |
|                                                         | 3 pole        | IVB WK 2,5-K-3 BLAU  | Z7.267.0327.6 |
|                                                         | up to 12 pole | IVB WK 2,5-K-12 BLAU | Z7.267.1227.6 |

## Initiator blocks with screw connection

### WK 2,5-4 KOI/U

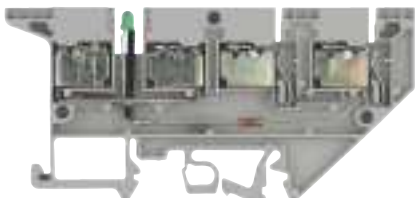
- Initiator block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                    | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------|---------------|------------|
| Initiator block, gray                 | WK 2,5-4 KOI/U          | 57.503.7055.0 | 50         |
| <b>General data</b>                   |                         |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 92 mm / 45 mm    |               |            |
| Wire strip length                     | 10 mm                   |               |            |
| Approvals                             |                         |               |            |
| <b>Technical data</b>                 | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1           |               |            |
| Cross section fine-stranded           | 0.5–2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.5–4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                    |                         | 22–12         | 22–12      |
| Rated current, feed-through           | 16 A                    | 20/30 A       | 25 A       |
| Rated voltage                         | 400 V                   | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                    |               |            |
| Pollution degree                      | 3                       |               |            |
| <b>Accessories</b>                    |                         |               |            |
| Cross connector with screws,          | Type                    | Part No.      | Std. Pack  |
| 2 pole                                | VB WK 2,5-2             | Z7.280.0227.0 | 10         |
| 3 pole                                | VB WK 2,5-3             | Z7.280.0327.0 | 10         |
| up to 6 pole                          | VB WK 2,5-6             | Z7.280.0627.0 | 10         |

### WK 2,5-4 KOI/U-NGN WK 2,5-4 KOI/U-PGN

- Initiator block with screw connection for mounting on TS 35 and TS 32
- NGN:** With LED (green) between signal and plus
- PGN:** With LED (green) between signal and minus
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                                                 | Type                    | Part No.      | Std. Pack  |
|-------------------------------------------------------------|-------------------------|---------------|------------|
| Initiator block, gray                                       | WK 2,5-4 KOI/U-NGN      | 57.503.7155.0 | 50         |
| Initiator block, gray                                       | WK 2,5-4 KOI/U-PGN      | 57.503.7255.0 | 50         |
| <b>General data</b>                                         |                         |               |            |
| Width / length / height, incl. TS 7.5                       | 5 mm / 92 mm / 45 mm    |               |            |
| Wire strip length                                           | 10 mm                   |               |            |
| Approvals                                                   |                         |               |            |
| <b>Technical data</b>                                       | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b> |
|                                                             | EN 60 947-7-1           |               |            |
| Cross section fine-stranded                                 | 0.5–2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded                                | 0.5–4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                                          |                         | 22–12         | 22–12      |
| Rated current, feed-through                                 | 16 A                    | 20/30 A       | 25 A       |
| Rated voltage                                               | 24 DC                   | 24 V          | 24 V       |
| Rated impulse voltage                                       |                         |               |            |
| Pollution degree                                            |                         |               |            |
|                                                             |                         |               |            |
| <b>NGN:</b> Indicator: R = 2.2 K 0,35W<br>Lamp color: green |                         |               |            |
|                                                             |                         |               |            |
| <b>PGN:</b> Indicator: R = 2.2 K 0,35W<br>Lamp color: green |                         |               |            |

## Accessories for selos WK 2,5-4 KOI/U...

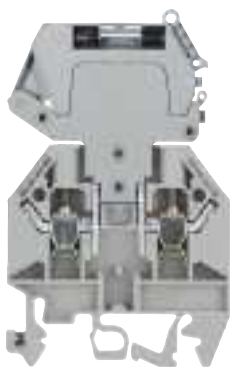


| Accessories                                     | Type          | Part No.             | Std. Pack     |
|-------------------------------------------------|---------------|----------------------|---------------|
| End plate                                       | gray          | AP 2,5-4 KO          | 07.310.9355.0 |
| Partition                                       | gray          | TW 2,5-4 KO          | 07.310.9455.0 |
| Cross connector                                 | 2 pole        | VB WK 2,5 KO-2       | 07.257.0227.0 |
| for voltage supply                              | 3 pole        | VB WK 2,5 KO-3       | 07.257.0327.0 |
|                                                 | up to 20 pole | VB WK 2,5 KO-20      | 07.257.2027.0 |
| Partition plate with marking facility           | yellow        | TS 2,5 GELB          | 07.311.2053.8 |
| Single cover with marking facility              | yellow        | AD VB 2,5 GELB       | 04.326.2053.8 |
| Cover strip for cross connectors over 10 blocks |               | AD VB 5/10           | 04.342.0556.0 |
| Tear-off marking strip, red, marked “+”         | red           | 9705 A/5/10 B + ROT  | 04.855.0253.5 |
| Tear-off marking strip, blue, marked “-”        | blue          | 9705 A/5/10 B - BLAU | 04.855.0353.6 |

## Fuse blocks with screw connection

### WK 4 TKG... with THSi 5x20

- Disconnect base block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 4 mm<sup>2</sup>



| Description                                          | Type                     | Part No.            | Std. Pack           |
|------------------------------------------------------|--------------------------|---------------------|---------------------|
| Disconnect base block, gray                          | WK 4 TKG/U               | 57.504.4055.0       | 100                 |
| Fuse disconnect lever, gray                          | THSi 5x20                | Z1.298.1053.0       | 10                  |
| Fuse disconnect lever with LED 12-24V <sup>2)</sup>  | THSi 5x20 LED24          | Z1.298.1153.0       | 10                  |
| Fuse disconnect lever with LED 24-60V <sup>2)</sup>  | THSi 5x20 LED60          | Z1.298.1253.0       | 10                  |
| Fuse disconnect lever with GL 110-250V <sup>2)</sup> | THSi 5x20 GL250          | Z1.298.1353.0       | 10                  |
| <b>General data</b>                                  |                          |                     |                     |
| Width / length / height, incl. TS 7.5                | 6 mm / 48 mm / 81 mm     |                     |                     |
| Wire strip length                                    | 9 mm                     |                     |                     |
| Approvals                                            |                          |                     |                     |
| <b>Technical data</b>                                | <b>IEC</b>               | <b>UL</b>           | <b>CSA</b>          |
|                                                      | EN 60947-7-1, EN 60127-6 |                     |                     |
| Cross section fine-stranded                          | 0.5–4 mm <sup>2</sup>    |                     |                     |
| Cross section solid/stranded                         | 0.5–6 mm <sup>2</sup>    |                     |                     |
| Cross section, AWG                                   |                          | 22–10               | 20–10               |
| Rated current                                        | <sup>1)</sup>            | 10 A <sup>1)</sup>  | 6.3 A <sup>1)</sup> |
| Rated voltage                                        | 800 V <sup>2)</sup>      | 300 V <sup>2)</sup> | 250 V <sup>2)</sup> |
| Rated impulse voltage                                | 8 kV                     |                     |                     |
| Pollution degree                                     | 3                        |                     |                     |

### WK 4 TKG... with THSi 6,3x32

- Disconnect base block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 4 mm<sup>2</sup>



| Description                                           | Type                                                                                 | Part No.                                      | Std. Pack           |
|-------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|
| Disconnect base block, gray                           | WK 4 TKG/U                                                                           | 57.504.4055.0                                 | 100                 |
| Fuse disconnect lever, gray                           | THSI 6,3x32                                                                          | Z1.298.1653.0                                 | 10                  |
| Fuse disconnect lever with LED 12-24 V <sup>2)</sup>  | THSI 6,3x32 LED24                                                                    | Z1.298.1753.0                                 | 10                  |
| Fuse disconnect lever with LED 24-60 V <sup>2)</sup>  | THSI 6,3x32 LED60                                                                    | Z1.298.1853.0                                 | 10                  |
| Fuse disconnect lever with GL 110-250 V <sup>2)</sup> | THSI 6,3x32 GL250                                                                    | Z1.298.1953.0                                 | 10                  |
| General data                                          |                                                                                      |                                               |                     |
| Width / length / height, incl. TS 7.5                 | 6 mm / 48 mm / 81 mm                                                                 |                                               |                     |
| Width disconnect lever THSI 6.3x32                    | 8 mm                                                                                 | use end plate 07.311.6155.0 to maintain pitch |                     |
| Wire strip length                                     | 9 mm                                                                                 |                                               |                     |
| Approvals                                             |  |                                               |                     |
| Technical data                                        | IEC                                                                                  | UL                                            | CSA                 |
|                                                       | EN 60947-7-1, EN 60 127-6                                                            |                                               |                     |
| Cross section fine-stranded                           | 0.5–4 mm <sup>2</sup>                                                                |                                               |                     |
| Cross section solid/stranded                          | 0.5–6 mm <sup>2</sup>                                                                |                                               |                     |
| Cross section, AWG                                    |                                                                                      | 22–10                                         | 20–10               |
| Rated current                                         | <sup>1)</sup>                                                                        | 10 A <sup>1)</sup>                            | 6.3 A <sup>1)</sup> |
| Rated voltage                                         | 800 V <sup>2)</sup>                                                                  | 300 V <sup>2)</sup>                           | 250 V <sup>2)</sup> |
| Rated impulse voltage                                 | 8 kV                                                                                 |                                               |                     |
| Pollution degree                                      | 3                                                                                    |                                               |                     |

<sup>1)</sup> When selecting G fuse inserts, make sure that the specified maximum power loss is not exceeded. The current is determined by the inserted fuse.

<sup>2)</sup> The voltage range is determined by the built-in LED display.

Maximum power loss at 23°C ambient temperature  
(according to DIN EN 60947-7-3)

| Type        | Rated Voltage | Overload protection |                   | Exclusive short-circuit protection |                   |
|-------------|---------------|---------------------|-------------------|------------------------------------|-------------------|
|             |               | Single arrangement  | Group arrangement | Single arrangement                 | Group arrangement |
| THSi 5x20   | 250V          | 1.6W                | 1.6W              | 4.0W                               | 2.5W              |
| THSi 6,3x32 | 500V          | 2.5W                | 1.6W              | 4.0W                               | 4.0W              |
| SIST        | 250V          | 1.6W                | 1.6W              | 2.5W                               | 1.6W              |

Depending on the application and the installation method, the possibility of increased temperature must be checked in the closed fuse holders.

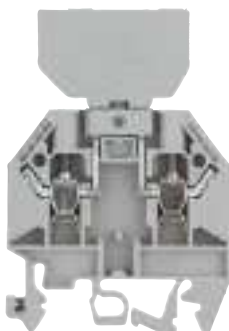
Higher ambient temperatures mean additional stress for the fuse inserts. Therefore, the reduction of the rated current must be considered accordingly in these applications.

Indicator (24V): Lamp color: red  
Power consumption: 10.3mA

Indicator (220V): Lamp color: red  
Power consumption: 0.3mA

**WK 4 TKG... SIST**

- Disconnect base block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 4 mm<sup>2</sup>



| Description                  | Type       | Part No.      | Std. Pack |
|------------------------------|------------|---------------|-----------|
| Disconnect base block, gray  | WK 4 TKG/U | 57.504.4055.0 | 100       |
| Fuse holder for 5x20 fuse    | Si ST      | Z1.299.4055.0 | 10        |
| Fuse holder with LED 24-60 V | Si ST LED  | Z1.299.4155.0 | 10        |
| Fuse holder with GL 220 V    | Si ST GL   | Z1.299.4255.0 | 10        |

**General data**

Width / length / height, incl. TS 7.5 6 mm / 48 mm / 68 mm

Wire strip length 9 mm

Approvals

**Technical data**

|                              | IEC                      | UL    | CSA                 |
|------------------------------|--------------------------|-------|---------------------|
|                              | EN 60947-7-1, EN 60127-6 |       |                     |
| Cross section fine-stranded  | 0.5–4 mm <sup>2</sup>    |       |                     |
| Cross section solid/stranded | 0.5–6 mm <sup>2</sup>    |       |                     |
| Cross section, AWG           |                          | 22–10 | 20–10               |
| Rated current                | 1 <sup>1)</sup>          | 10 A  | 6.3 A <sup>1)</sup> |
| Rated voltage                | 800 V <sup>2)</sup>      | 300 V | 250 V               |
| Rated impulse voltage        | 8 kV                     |       |                     |
| Pollution degree             | 3                        |       |                     |

**WK 4 TKG... DIST**

- Disconnect base block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 4 mm<sup>2</sup>



| Description                             | Type                          | Part No.      | Std. Pack |
|-----------------------------------------|-------------------------------|---------------|-----------|
| Disconnect base block, gray             | WK 4 TKG/U                    | 57.504.4055.0 | 100       |
| Diode plug - without contacts           | DIST ...                      | Z1.299.3055.0 | 10        |
| Diode plug - diode $I_{max} = 1 A$      | DIST-1 N 4007-1 <sup>3)</sup> | Z1.299.3155.0 | 10        |
| Diode plug - diode $I_{max} = 1 A$      | DIST-1 N 4007-2 <sup>4)</sup> | Z1.299.3355.0 | 10        |
| Diode plug with jumper $I_{max} = 10 A$ | DIST-D                        | Z1.299.3255.0 | 10        |

**General data**

Width / length / height, incl. TS 7.5 6 mm / 48 mm / 68 mm

Wire strip length 9 mm

Approvals

**Technical data**

|                              | IEC                      | UL    | CSA                 |
|------------------------------|--------------------------|-------|---------------------|
|                              | EN 60947-7-1, EN 60127-6 |       |                     |
| Cross section fine-stranded  | 0.5–4 mm <sup>2</sup>    |       |                     |
| Cross section solid/stranded | 0.5–6 mm <sup>2</sup>    |       |                     |
| Cross section, AWG           |                          | 22–10 | 20–10               |
| Rated current                |                          | 10 A  | 6.3 A <sup>1)</sup> |
| Rated voltage                | 800 V <sup>2)</sup>      | 300 V | 250 V               |
| Rated impulse voltage        | 8 kV                     |       |                     |
| Pollution degree             | 3                        |       |                     |

The current carrying load depends on the component used.

Temporary peak voltage 1000 V.

Pole assignment of the diode: Anode Cathode<sup>3)</sup> Cathode Anode<sup>4)</sup>**Accessories for selos WK 4 TKG... with THSi..., SIST and ...DIST**

| Accessories            | Type                        | Part No.      | Std. Pack |
|------------------------|-----------------------------|---------------|-----------|
| End plate              | gray AP 4 TK                | 07.311.6155.0 | 10        |
| Partition              | gray TW 4 TK                | 07.311.8155.0 | 10        |
| Jumper comb, insulated | 2 pole IVB 1 WK 4..-2       | Z7.255.4227.0 | 10        |
|                        | 3 pole IVB 1 WK 4..-3       | Z7.255.4327.0 | 10        |
|                        | up to 6 pole IVB 1 WK 4..-6 | Z7.255.4627.0 | 10        |

## Fuse- and knife edge disconnect blocks with screw connection

### WK 4/Si-D/U 5x25

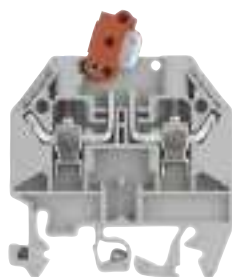
- Fuse block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 4 mm<sup>2</sup>



| Description                            | Type                       | Part No.      | Std. Pack  |
|----------------------------------------|----------------------------|---------------|------------|
| Fuse block, gray                       |                            |               |            |
| w. G-screw cap B DIN 41674, 5x25 mm    | WK 4/Si-D/U 5 x 25         | 57.504.1655.0 | 50         |
| w. G-SG-screw cap A DIN 41674, 5x20 mm | WK 4/Si-D/U 5 x 20         | 57.504.1755.0 | 50         |
| <b>General data</b>                    |                            |               |            |
| Width / length / height, incl. TS 7.5  | 12 mm / 48 mm / 49 mm      |               |            |
| Wire strip length                      | 9 mm                       |               |            |
| Approvals                              |                            |               |            |
| <b>Technical data</b>                  | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                        | EN 60 947-7-1, EN 60 127-6 |               |            |
| Cross section fine-stranded            | 0.5–4 mm <sup>2</sup>      |               |            |
| Cross section solid/stranded           | 0.5–6 mm <sup>2</sup>      |               |            |
| Cross section, AWG                     |                            |               | 20–10      |
| Rated current                          | 6.3 A                      |               | 10 A       |
| Rated voltage                          | 800 V                      |               | 250 V      |
| Rated impulse voltage                  | 8 kV                       |               |            |
| Pollution degree                       | 3                          |               |            |

### WK 4/TKM

- Knife edge disconnect block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 4 mm<sup>2</sup>
- \* **Version with test bolt:** CSA: 300V  
EN 60 947-7-1 – 690V/6kV/3  
Test bolt can be loaded with 1 A



| Description                           | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|----------------------------|---------------|------------|
| Knife edge disconnect block, gray     | WK 4/TKM/U                 | 57.504.2055.0 | 100        |
| Knife edge disconnect block, blue     | WK 4/TKM/U BLAU            | 57.504.2055.6 | 100        |
| with 2 test bolts, gray               | WK 4/TKM/P3/U              | 57.504.2355.0 | 100        |
| <b>General data</b>                   |                            |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 48 mm / 49 mm       |               |            |
| Wire strip length                     | 9 mm                       |               |            |
| Approvals                             |                            |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1, EN 60 127-6 |               |            |
| Cross section fine-stranded           | 0.5–4 mm <sup>2</sup>      |               |            |
| Cross section solid/stranded          | 0.5–6 mm <sup>2</sup>      |               |            |
| Cross section, AWG                    |                            | 22–10         | 22–10      |
| Rated current                         | 20 A                       | 20 A          | 20 A       |
| Rated voltage                         | 800 V                      | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                       |               |            |
| Pollution degree                      | 3 <sup>2)</sup>            |               |            |

**WK 4 TKG-TRST/U**

- Invertible plug disconnect block with screw connection for mounting on TS 35 and 42
- Nominal cross section 4 mm<sup>2</sup>
- \* **Version with test bolt:** CSA: 300V  
EN 60 947-7-1 – 690V/6kV/3  
Test bolt can be loaded with 1 A



| Description                            | Type                       | Part No.      | Std. Pack  |
|----------------------------------------|----------------------------|---------------|------------|
| Invertible plug disconnect block, gray | WK 4 TKG-TRST/U            | 57.504.4555.0 | 100        |
| with 2 test bolts, gray                | WK 4 TKG-TRST P3/U         | 57.504.4855.0 | 100        |
| <b>General data</b>                    |                            |               |            |
| Width / length / height, incl. TS 7.5  | 6 mm / 48 mm / 78 mm       |               |            |
| Wire strip length                      | 9 mm                       |               |            |
| Approvals                              |                            |               |            |
| <b>Technical data</b>                  | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                        | EN 60 947-7-1, EN 60 127-6 |               |            |
| Cross section fine-stranded            | 0.5–4 mm <sup>2</sup>      |               |            |
| Cross section solid/stranded           | 0.5–6 mm <sup>2</sup>      |               |            |
| Cross section, AWG                     |                            | 22–10         | 22–10      |
| Rated current                          | 20 A                       | 10 A          | 20 A       |
| Rated voltage                          | 800 V                      | 300 V         | 600 V      |
| Rated impulse voltage                  | 8 kV                       |               |            |
| Pollution degree                       | 3 <sup>2)</sup>            |               |            |

**WK 4 TKS D/U**

- Feed-through block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 4 mm<sup>2</sup>
- Same dimensions as types WK 4 TKG/U and types WK 4/TKM/U



| Description                           | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|----------------------------|---------------|------------|
| Feed-through block, gray              | WK 4 TKS D/U               | 57.504.4455.0 | 100        |
| <b>General data</b>                   |                            |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 48 mm / 49 mm       |               |            |
| Wire strip length                     | 9 mm                       |               |            |
| Approvals                             |                            |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1, EN 60 127-6 |               |            |
| Cross section fine-stranded           | 0.5–4 mm <sup>2</sup>      |               |            |
| Cross section solid/stranded          | 0.5–6 mm <sup>2</sup>      |               |            |
| Cross section, AWG                    |                            | 22–10         | 20–10      |
| Rated current                         | 32 A                       | 25 A          | 20 A       |
| Rated voltage                         | 800 V                      | 300 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                       |               |            |
| Pollution degree                      | 3                          |               |            |

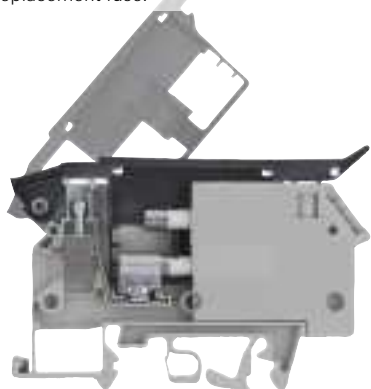
**Accessories for selos WK 4...**

| Accessories            | Type                        | Part No.      | Std. Pack |
|------------------------|-----------------------------|---------------|-----------|
| End plate              | gray AP 4 TK                | 07.311.6155.0 | 10        |
| Partition              | gray TW 4 TK                | 07.311.8155.0 | 10        |
| Jumper comb, insulated | 2 pole IVB 1 WK 4..-2       | Z7.255.4227.0 | 10        |
|                        | 3 pole IVB 1 WK 4..-3       | Z7.255.4327.0 | 10        |
|                        | up to 6 pole IVB 1 WK 4..-6 | Z7.255.4627.0 | 10        |

## Fuse blocks with screw connection

### WK 4 THSi 5.../U

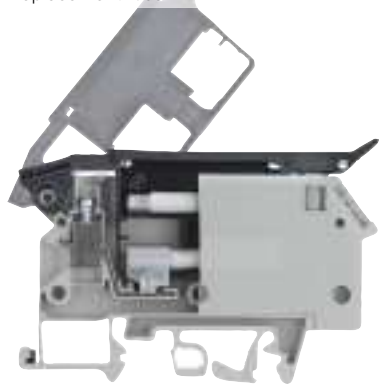
- Integrated lever-action fuse block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 4 mm<sup>2</sup>
- For 5 mm miniature fuses
- The standard block has a storage location for a replacement fuse.



| Description                                     | Type                  | Part No.                 | Std. Pack            |
|-------------------------------------------------|-----------------------|--------------------------|----------------------|
| Fuse block, gray                                | WK 4/THSi 5 ... U     | 57.904.5355.0            | 50                   |
| – with LED 5-12V~/= current consumed. 2.3-7 mA  | WK 4/THSi 5 LED 12 U  | 57.904.5455.0            | 50                   |
| – with LED 12-24V~/= current con. 2.8-6.2 mA    | WK 4/THSi 5 LED 24 U  | 57.904.5555.0            | 50                   |
| – with LED 24-60V~/= current con. 1.5-4 mA      | WK 4/THSi 5 LED 60 U  | 57.904.5655.0            | 50                   |
| – with GL 110-250V~/= current con. 0.13-0.55 mA | WK 4/THSi 5 GL 250 U  | 57.904.5755.0            | 50                   |
| – with GL 380-500V~/= current con. 0.2-0.3 mA   | WK 4/THSi 5 GL 500 U  | 57.904.5855.0            | 50                   |
| <b>General data</b>                             |                       |                          |                      |
| Width / length / height, incl. TS 7.5           | 8 mm / 77 mm / 54 mm  |                          |                      |
| Wire strip length                               | 8 mm                  |                          |                      |
| Approvals                                       |                       |                          |                      |
| <b>Technical data</b>                           |                       | <b>IEC</b>               | <b>UL</b> <b>CSA</b> |
|                                                 |                       | EN 60947-7-1, EN 60127-6 |                      |
| Cross section fine-stranded                     | 0,5–4 mm <sup>2</sup> |                          |                      |
| Cross section solid/stranded                    | 0,5–6 mm <sup>2</sup> |                          |                      |
| Cross section, AWG                              | 22–10                 |                          | 22–10                |
| Rated current                                   | 6.3 A <sup>1)</sup>   | 15 A                     | 6.3 A                |
| Rated voltage                                   | 800 V <sup>2)</sup>   | 600 V <sup>2)</sup>      | 600 V <sup>2)</sup>  |
| Rated impulse voltage                           | 8 kV                  |                          |                      |
| Pollution degree                                | 3                     |                          |                      |

### WK 4 THSi 6,3.../U

- Integrated lever-action fuse block with screw connection for mounting on TS 35 and TS32
- Nominal cross section 4 mm<sup>2</sup>
- For 6.3 mm miniature fuses
- The standard block has a storage location for a replacement fuse.



| Description                                     | Type                   | Part No.                 | Std. Pack            |
|-------------------------------------------------|------------------------|--------------------------|----------------------|
| Fuse block, gray                                | WK 4/THSi 6,3 ... U    | 57.904.5355.0            | 50                   |
| – with LED 5-12V~/= current consumed. 2.3-7 mA  | WK 4/THSi 6,3 LED 12 U | 57.904.6455.0            | 50                   |
| – with LED 12-24V~/= current con. 2.8-6.2 mA    | WK 4/THSi 6,3 LED 24 U | 57.904.6555.0            | 50                   |
| – with LED 24-60V~/= current con. 1.5-4 mA      | WK 4/THSi 6,3 LED 60 U | 57.904.6655.0            | 50                   |
| – with GL 110-250V~/= current con. 0.13-0.55 mA | WK 4/THSi 6,3 GL 250 U | 57.904.6755.0            | 50                   |
| – with GL 380-500V~/= current con. 0.2-0.3 mA   | WK 4/THSi 6,3 GL 500 U | 57.904.6855.0            | 50                   |
| <b>General data</b>                             |                        |                          |                      |
| Width / length / height, incl. TS 7.5           | 10 mm / 77 mm / 54 mm  |                          |                      |
| Wire strip length                               | 8 mm                   |                          |                      |
| Approvals                                       |                        |                          |                      |
| <b>Technical data</b>                           |                        | <b>IEC</b>               | <b>UL</b> <b>CSA</b> |
|                                                 |                        | EN 60947-7-1, EN 60127-6 |                      |
| Cross section fine-stranded                     | 0,5–4 mm <sup>2</sup>  |                          |                      |
| Cross section solid/stranded                    | 0,5–6 mm <sup>2</sup>  |                          |                      |
| Cross section, AWG                              | 22–10                  |                          | 22–10                |
| Rated current                                   | 10 A <sup>1)</sup>     | 15 A                     | 10 A                 |
| Rated voltage                                   | 800 V <sup>2)</sup>    | 600 V <sup>2)</sup>      | 600 V <sup>2)</sup>  |
| Rated impulse voltage                           | 8 kV                   |                          |                      |
| Pollution degree                                | 3                      |                          |                      |

## Info for **selos** WK 4 THSi...

The fuse blocks of this type have a flip top disconnect lever. It accepts miniature fuses of 5x20, 5x25 and 5x30 mm (terminal width: 8 mm) or 6.3x32 mm (terminal width: 10 mm). The hinged lever has latch points both in the open and in the closed position, and can be sealed.

All terminal blocks are available in two different versions, i.e. with or without red LEDs functioning as indicators.

<sup>1)</sup> When selecting G fuse inserts, make sure that the specified maximum power loss is not exceeded. The current is determined by the inserted fuse.

<sup>2)</sup> The voltage range is determined by the built-in LED display. Depending on the application and the installation method, the circumstances for increased temperature must be checked in the closed fuse holders. Higher ambient temperatures are an additional load for the fuse inserts. Therefore, the reduction of the rated current must be considered accordingly in these applications.

<sup>1)</sup> Maximum power loss at 23°C ambient temperature (according to DIN EN 60947-7-3)

| Type         | Rated voltage | Overload protection |                   | Exclusive short-circuit protection |                   |
|--------------|---------------|---------------------|-------------------|------------------------------------|-------------------|
|              |               | Single arrangement  | Group arrangement | Single arrangement                 | Group arrangement |
| THSi 5x20/25 | 250 V         | 1.6 W               | 1.6 W             | 4.0 W                              | 2.5 W             |
| THSi 6,3x32  | 500 V         | 2.5 W               | 2.5 W             | 4.0 W                              | 2.5 W             |
| THSi 5x30    | 500 V         | 1.6 W               | 1.6 W             | 4.0 W                              | 2.5 W             |

## Accessories and info for **selos** WK 10/Si...

| Accessories                           | Type         | Part No.      | Std. Pack |
|---------------------------------------|--------------|---------------|-----------|
| End plate, gray                       | AP 10/Si     | 07.311.4155.0 | 10        |
| Cross connector with screws           | 2 pole       | VB WK 10/Si-2 | 10        |
|                                       | 3 pole       | VB WK 10/Si-3 | 10        |
|                                       | up to 6 pole | VB WK 10/Si-6 | 10        |
| Transparent block cover (for 1 block) |              | 04.312.2056.0 | 100       |

<sup>1)</sup> Maximum power loss at 23°C ambient temperature (according to DIN EN 60947-7-3)

| Type              | Overload protection |                   | Exclusive short-circuit protection |                   |
|-------------------|---------------------|-------------------|------------------------------------|-------------------|
|                   | Single arrangement  | Group arrangement | Single arrangement                 | Group arrangement |
| WK 10 Si U 5x20   | 4.0 W/6.3 A         | 2.5 W/6.3 A       | 4.0 W/6.3 A                        | 4.0 W/6.3 A       |
| WK 10 Si U 6.3x32 | 4.0 W/10 A          | 2.5 W/2.5 A       | 4.0 W/10 A                         | 2.5 W/2.5 A       |
| WK 10 Si U 5x25   | 4.0 W/6.3 A         | 2.5 W/6.3 A       | 4.0 W/6.3 A                        | 4.0 W/6.3 A       |
| WK 10 Si U 5x30   | 4.0 W/6.3 A         | 2.5 W/6.3 A       | 4.0 W/6.3 A                        | 4.0 W/6.3 A       |

**WK 10/SI .../U**

- Fuse block with screw cap for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>

\* Voltage and current are determined by the built-in LED and the inserted G-fuse.



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Fuse block, gray, with screw cap      |                          |               |            |
| – A DIN 41674 for G-fuses DIN 41571   | WK 10/Si U 5 x 20        | 57.910.5055.0 | 50         |
| – B DIN 41674 for G-fuses DIN 41576   | WK 10/Si U 5 x 25        | 57.910.5155.0 | 50         |
| – A DIN 41674 for G-fuses             | WK 10/Si U 5 x 30        | 57.910.5255.0 | 50         |
| – with screw cap for G-fuses          | WK 10/Si U 6,3 x 32      | 57.910.5355.0 | 50         |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 12 mm / 65 mm / 58 mm    |               |            |
| Wire strip length                     | 13 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1, EN 60127-6 |               |            |
| Cross section fine-stranded           | 1.0–10 mm <sup>2</sup>   |               |            |
| Cross section solid/stranded          | 1.0–16 mm <sup>2</sup>   |               |            |
| Cross section, AWG                    |                          | 22–6          | 16–6       |
| Rated current                         | max. 10 A <sup>1)</sup>  | 15 A          | max. 15 A  |
| Rated voltage                         | 500 V*                   | 600 V*        | 600 V*     |
|                                       | * 57.910.5055.0 250 V~   | 600 V         | 600 V      |
|                                       | * 57.910.5155.0 250 V~   | 600 V         | 600 V      |
|                                       | * 57.910.5255.0 500 V~   | 600 V         | 600 V      |
|                                       | * 57.910.5355.0 500 V~   | 600 V         | 600 V      |
| Rated impulse voltage                 | 6 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |

**WK 10/SI .../U with indicator**

- Fuse block with screw cap for mounting on TS 35 and TS 32
- Nominal cross section 10 mm<sup>2</sup>
- With indicator

\* Voltage and current are determined by the built-in indicator and the inserted G-fuse.



| Description                           | Type                      | Part No.      | Std. Pack  |
|---------------------------------------|---------------------------|---------------|------------|
| Fuse block, gray, with screw cap      |                           |               |            |
| – A DIN 41674 for G-fuses DIN 41571   | WK 10/Si U 5 x 20M, NGL   | 57.910.5455.0 | 50         |
| – B DIN 41674 for G-fuses DIN 41576   | WK 10/Si U 5 x 20M, GLB   | 57.910.5855.0 | 50         |
| – A DIN 41674 for G-fuses             | WK 10/Si U 6,3 x 32M, NGL | 57.910.5755.0 | 50         |
| – with screw cap for G-fuses          | WK 10/Si U 6,3 x 32M, GLB | 57.910.6155.0 | 50         |
| <b>General data</b>                   |                           |               |            |
| Width / length / height, incl. TS 7.5 | 12 mm / 65 mm / 58 mm     |               |            |
| Wire strip length                     | 13 mm                     |               |            |
| Approvals                             |                           |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1, EN 60127-6  |               |            |
| Cross section fine-stranded           | 1.0–10 mm <sup>2</sup>    |               |            |
| Cross section solid/stranded          | 1.0–16 mm <sup>2</sup>    |               |            |
| Cross section, AWG                    |                           | 22–6          | 16–6       |
| Rated current                         | max. 10 A <sup>1)</sup>   | 15 A          | max. 15 A  |
| Rated voltage                         | 500 V*                    | 600 V*        | 600 V*     |
| Indicator – Current consumed          |                           |               |            |
| red – 0.16–0.8 mA * 57.910.5455.0     | 110–250 V~                | 150 V         | 500 V      |
| yellow – 24 mA * 57.910.5855.0        | 28 V~                     | 28 V          | 28 V       |
| red – 0.16–0.8 mA * 57.910.5755.0     | 110–500 V~                | 150 V         | 500 V      |
| yellow – 24 mA * 57.910.6155.0        | 28 V~                     | 28 V          | 28 V       |
| Rated impulse voltage                 | 6 kV                      |               |            |
| Pollution degree                      | 3                         |               |            |

**WK 10/SI U D**

- Feed-through block with screw connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>
- Same dimensions as fuse block



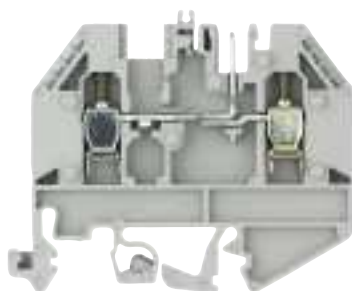
| Description                           | Type                  | Part No.      | Std. Pack  |
|---------------------------------------|-----------------------|---------------|------------|
| Feed-through block, gray              | WK 10/Si U D          | 57.910.4955.0 | 50         |
| <b>General data</b>                   |                       |               |            |
| Width / length / height, incl. TS 7.5 | 12 mm / 65 mm / 58 mm |               |            |
| Wire strip length                     | 13 mm                 |               |            |
| Approvals                             |                       |               |            |
| <b>Technical data</b>                 | <b>IEC</b>            | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1          |               |            |
| Cross section fine-stranded           | 0.5–4 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.5–6 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                       | 22–6          | 16–6       |
| Rated current                         | 57 A                  | 50 A          | 65 A       |
| Rated voltage                         | 500 V                 | 600 V         | 600 V      |
| Rated impulse voltage                 | 6 kV                  |               |            |
| Pollution degree                      | 3                     |               |            |

# Feed-through blocks with *wiecon* pluggable connection

for PC board terminal type 8113 B, type 8313 B, type 8113 B/VL, type 8113 B/VR, type 8113 B/Top

## WK 2,5 U/D/8113 S/V

- Feed-through block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2,5 mm<sup>2</sup>

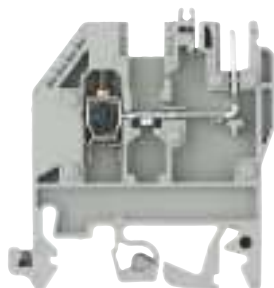


| Description                              | Type                       | Part No.      | Std. Pack  |
|------------------------------------------|----------------------------|---------------|------------|
| Feed-through block, gray                 | WK 2,5 U/D/8113 S/V...     | 57.503.2155.0 | 50         |
| Power block, blue                        | WK 2,5 U/D/8113 S/V/VK     | 57.503.2555.6 | 50         |
| Feed-through block, with LED 25 V, gray  | WK 2,5 U/D/8113 S/V/LED 25 | 57.503.2255.0 | 50         |
| Feed-through block, with LED 50 V, gray  | WK 2,5 U/D/8113 S/V/LED 50 | 57.503.2355.0 | 50         |
| <b>General data</b>                      |                            |               |            |
| Width / length / height, incl. TS 7.5    | 5 mm / 61 mm / 51 mm       |               |            |
| Wire strip length                        | 9 mm                       |               |            |
| Approvals                                |                            |               |            |
| <b>Technical data</b>                    | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                          | EN 60947-7-1               |               |            |
| Cross section fine-stranded              | 0.5–2,5 mm <sup>2</sup>    |               |            |
| Cross section solid/stranded             | 0.5–4 mm <sup>2</sup>      |               |            |
| Cross section, AWG                       |                            | 22–12         | 24–12      |
| Rated current                            | 12 A                       | 15 A          | 15 A       |
| Rated voltage                            | 250 V                      | 300 V         | 300 V      |
| Rated impulse voltage                    | 4 kV                       |               |            |
| Pollution degree                         | 3                          |               |            |
| <b>Accessories</b>                       |                            |               |            |
| End plate, gray                          | AP 2,5 U/D/8113 S/V        | 07.311.9055.0 | 10         |
| Spacer* 2.5 mm thick                     | ZP 2,5 U/D/8113 S/V        | 07.311.9155.0 | 10         |
| Cover strip for LED, transparent 10 pole | AD VB 5/10 P               | 04.342.3556.8 | 10         |
| Coding strip                             |                            | 05.561.0053.0 | 100        |

\* for *wiecon* PC board connector with 7.5 mm pitch

## WK 2,5 U/8113 S/V

- Feed-through block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2,5 mm<sup>2</sup>

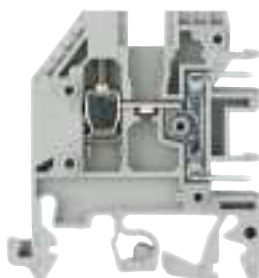


| Description                             | Type                     | Part No.      | Std. Pack  |
|-----------------------------------------|--------------------------|---------------|------------|
| Feed-through block, gray                | WK 2,5 U/8113 S/V...     | 57.503.2655.0 | 50         |
| Power block, blue                       | WK 2,5 U/8113 S/V/VK     | 57.503.3055.6 | 50         |
| Feed-through block, with LED 25 V, gray | WK 2,5 U/8113 S/V/LED 25 | 57.503.2755.0 | 50         |
| Feed-through block, with LED 50 V, gray | WK 2,5 U/8113 S/V/LED 50 | 57.503.2855.0 | 50         |
| <b>General data</b>                     |                          |               |            |
| Width / length / height, incl. TS 7.5   | 5 mm / 44 mm / 51 mm     |               |            |
| Wire strip length                       | 9 mm                     |               |            |
| Approvals                               |                          |               |            |
| <b>Technical data</b>                   | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                         | EN 60947-7-1             |               |            |
| Cross section fine-stranded             | 0.5–2,5 mm <sup>2</sup>  |               |            |
| Cross section solid/stranded            | 0.5–4 mm <sup>2</sup>    |               |            |
| Cross section, AWG                      |                          | 22–12         | 24–12      |
| Rated current                           | 12 A                     | 15 A          | 15 A       |
| Rated voltage                           | 250 V                    | 300 V         | 300 V      |
| Rated impulse voltage                   | 4 kV                     |               |            |
| Pollution degree                        | 3                        |               |            |
| <b>Accessories</b>                      |                          |               |            |
| End plate, gray                         | AP 2,5 U/8113 S/V        | 07.312.1555.0 | 10         |
| Spacer* 2.5 mm thick                    | ZP 2,5 U/8113 S/V        | 07.312.1655.0 | 10         |
| Coding strip                            |                          | 05.561.0053.0 | 100        |

\* for *wiecon* PC board connector with 7.5 mm pitch

## WK 2,5 U/D/8113 S/H

- Feed-through block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2,5 mm<sup>2</sup>



| Description                           | Type                    | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------|---------------|------------|
| Feed-through block, gray              | WK 2,5 U/8113 S/H       | 57.503.2055.0 | 100        |
| <b>General data</b>                   |                         |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 44 mm / 48 mm    |               |            |
| Wire strip length                     | 9 mm                    |               |            |
| Approvals                             |                         |               |            |
| <b>Technical data</b>                 | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1            |               |            |
| Cross section fine-stranded           | 0.5–2,5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.5–4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                    |                         | 22–12         | 24–12      |
| Rated current                         | 12 A                    | 20 A          | 15 A       |
| Rated voltage                         | 250 V                   | 300 V         | 300 V      |
| Rated impulse voltage                 | 4 kV                    |               |            |
| Pollution degree                      | 3                       |               |            |
| <b>Accessories</b>                    |                         |               |            |
| End plate, gray                       | AP 2,5 U/8113 S/H       | 07.311.9855.0 | 10         |
| Coding strip                          |                         | 05.584.0053.0 | 100        |
| Locking piece 10 pole                 |                         | 05.576.5853.0 | 25         |

**Type 8113 B/..., 8313 B/...**

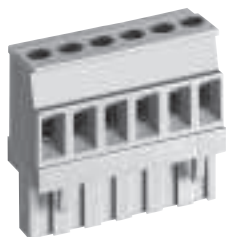
- Mating orientation parallel to wire entry
- For additional pluggable blocks, see **wiecon** product family



| Description                                 | Type                    | Part No.      | Std. Pack  |
|---------------------------------------------|-------------------------|---------------|------------|
| <b>Spacing 5.00 mm, Rated voltage 250 V</b> |                         |               |            |
| unmarked, starting at 2                     | 8113 B/2 OB             | 25.320.3253.0 | 100        |
| up to 16                                    | 8113 B/16 OB            | 25.320.4653.0 | 50         |
| marked with 1- x, starting at 2             | 8113 B/2                | 25.320.0253.0 | 100        |
| up to 16                                    | 8113 B/16               | 25.320.1653.0 | 50         |
| <b>Spacing 7.50 mm, Rated voltage 400 V</b> |                         |               |            |
| unmarked, starting at 2                     | 8313 B/2 OB             | 25.360.3253.0 | 100        |
| up to 12                                    | 8313 B/12 OB            | 25.360.4253.0 | 50         |
| marked with 1- x, starting at 2             | 8313 B/2                | 25.360.0253.0 | 100        |
| up to 12                                    | 8313 B/12               | 25.360.1253.0 | 50         |
| <b>General data</b>                         |                         |               |            |
| Approvals                                   |                         |               |            |
| <b>Technical data</b>                       | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b> |
|                                             | EN 60947-7-1            |               |            |
| Cross section fine-stranded                 | 0.5–2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded                | 0.5–4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                          |                         | 22–12         | 24–12      |
| Rated current                               | 12 A                    | 15 A          | 15 A       |
| Rated voltage                               | 250 V                   | 300 V         | 300 V      |
| Rated impulse voltage                       | 400 V                   |               |            |
| Pollution degree                            |                         |               |            |
| <b>Accessories</b>                          |                         |               |            |
| Coding strip                                | Type                    | Part No.      | Std. Pack  |
|                                             |                         | 05.561.9153.0 | 100        |

**Type 8113 B/... VR**

- Mating orientation 90° towards the wire
- For additional pluggable blocks, see **wiecon** product family



| Description                                 | Type                    | Part No.      | Std. Pack  |
|---------------------------------------------|-------------------------|---------------|------------|
| <b>Spacing 5.00 mm, Rated voltage 250 V</b> |                         |               |            |
| unmarked, starting at 2                     | 8113 B/2 VR OB          | 25.325.3253.0 | 100        |
| up to 16                                    | 8113 B/16 VR OB         | 25.325.4653.0 | 50         |
| marked with 1- x, starting at 2             | 8113 B/2                | 25.325.0253.0 | 100        |
| up to 16                                    | 8113 B/16               | 25.325.1653.0 | 50         |
| <b>General data</b>                         |                         |               |            |
| Approvals                                   |                         |               |            |
| <b>Technical data</b>                       | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b> |
|                                             | EN 60947-7-1            |               |            |
| Cross section fine-stranded                 | 0.5–2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded                | 0.5–4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                          |                         | 22–12         | 24–12      |
| Rated current                               | 12 A                    | 15 A          | 15 A       |
| Rated voltage                               | 250 V                   | 300 V         | 300 V      |
| Rated impulse voltage                       | 400 V                   |               |            |
| Pollution degree                            |                         |               |            |
| <b>Accessories</b>                          |                         |               |            |
| Coding strip                                | Type                    | Part No.      | Std. Pack  |
|                                             |                         | 05.561.9153.0 | 100        |

**Accessories for selos WK 2,5 U/...**

| Accessories                                        |          | Type           | Part No.      | Std. Pack |
|----------------------------------------------------|----------|----------------|---------------|-----------|
| Cross connector with screws,<br>insulated          | 2 pole   | VB WK 2,5-2    | Z7.280.2227.0 | 10        |
|                                                    | 3 pole   | IVB WK 2,5-3   | Z7.280.2327.0 | 10        |
|                                                    | 12 pole  | IVB WK 2,5-12  | Z7.280.3227.0 | 10        |
| Partition plate with marking facility              | yellow   | TS 2,5 GELB    | 07.311.2053.8 | 10        |
| Single cover with marking facility                 | yellow   | AD VB 2,5 GELB | 04.326.2053.8 | 10        |
| Cover strip for PCB terminal                       | 24 pole  |                | 04.343.9056.8 | 10        |
| with warning symbol                                | 24 pole  |                | 04.343.9156.8 | 10        |
| Connection rail                                    | L = 0,4m |                | 05.561.4115.0 | 1         |
| for connection to power block (blue) and indicator |          |                |               |           |

## Distribution blocks with screw/push-on connection

### WK/4-8 S/IW/U

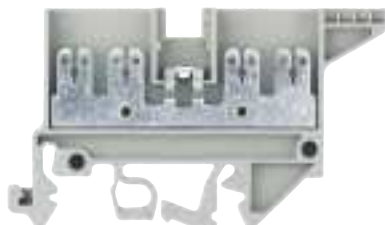
- Feed-through block with push-on connection for mounting on TS 35
- Push-on connectors 2.8 x 0.8 acc. to DIN 46247  
Push-on connectors 6.3 x 0.8 acc. to DIN 46247
- Current carrying capability according to DIN 46249  
Tab connector      2.8      10 A  
                             6.3      20 A



| Description                           | Type                   | Part No.             | Std. Pack            |
|---------------------------------------|------------------------|----------------------|----------------------|
| Feed-through block, gray              | WK/4-8 S/IW/U          | 57.504.6355.0        | 100                  |
| <b>General data</b>                   |                        |                      |                      |
| Width / length / height, incl. TS 7.5 | 6 mm / 67 mm / 50 mm   |                      |                      |
| Wire strip length                     |                        |                      |                      |
| Approvals                             |                        |                      |                      |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>            | <b>CSA</b>           |
|                                       | EN 60947-7-1, EN 61210 |                      |                      |
| Cross section fine-stranded           |                        |                      |                      |
| Cross section solid/stranded          |                        |                      |                      |
| Cross section, AWG                    |                        |                      |                      |
| Rated current                         | 20 A                   | 22–12                | 22–12                |
| Rated voltage                         | 800 V <sup>(1)</sup>   | 10 A                 | 10 A                 |
| Rated impulse voltage                 | 8 kV                   | 600 V <sup>(1)</sup> | 300 V <sup>(1)</sup> |
| Pollution degree                      | 3                      |                      |                      |
| <b>Accessories</b>                    |                        |                      |                      |
| End plate, gray                       | Type                   | Part No.             | Std. Pack            |
|                                       | AP 3 S/IW              | 07.311.4355.0        | 50                   |
| Cross connector with screws           | 2 pole                 | VB WK/...S/IW/U-2    | 10                   |
|                                       | 3 pole                 | VB WK/...S/IW/U-3    | 10                   |
|                                       | up to 6 pole           | VB WK/...S/IW/U-6    | 10                   |

### WK/4-8 S/U

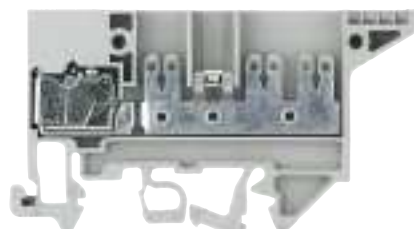
- Feed-through block with push-on connection for mounting on TS 35
- Push-on connectors 2.8 x 0.8 acc. to DIN 46247  
Push-on connectors 6.3 x 0.8 acc. to DIN 46247
- Current carrying capability according to DIN 46249  
Tab connector      2.8      10 A  
                             6.3      20 A



| Description                           | Type                   | Part No.             | Std. Pack            |
|---------------------------------------|------------------------|----------------------|----------------------|
| Feed-through block, gray              | WK/4-8 S/U             | 57.504.6255.0        | 100                  |
| <b>General data</b>                   |                        |                      |                      |
| Width / length / height, incl. TS 7.5 | 6 mm / 67 mm / 40 mm   |                      |                      |
| Wire strip length                     |                        |                      |                      |
| Approvals                             |                        |                      |                      |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>            | <b>CSA</b>           |
|                                       | EN 60947-7-1, EN 61210 |                      |                      |
| Cross section fine-stranded           |                        |                      |                      |
| Cross section solid/stranded          |                        |                      |                      |
| Cross section, AWG                    |                        |                      |                      |
| Rated current                         | 20 A                   | 22–12                | 22–12                |
| Rated voltage                         | 800 V <sup>(1)</sup>   | 10 A                 | 10 A                 |
| Rated impulse voltage                 | 8 kV                   | 300 V <sup>(1)</sup> | 300 V <sup>(1)</sup> |
| Pollution degree                      | 3                      |                      |                      |
| <b>Accessories</b>                    |                        |                      |                      |
| End plate, gray                       | Type                   | Part No.             | Std. Pack            |
|                                       | AP 4 S                 | 07.311.4255.0        | 10                   |
| Cross connector with screws           | 2 pole                 | 9703/6-2             | 50                   |
|                                       | 3 pole                 | 9703/6-3             | 50                   |
|                                       | up to 6 pole           | 9703/6-6             | 50                   |

### WK/3-6 S K0/U

- Feed-through block with push-on connection for mounting on TS 35
- Nominal cross section 4.0 mm<sup>2</sup>
- Push-on connectors 2.8 x 0.8 acc. to DIN 46247  
Push-on connectors 6.3 x 0.8 acc. to DIN 46247
- Current carrying capability according to DIN 46249  
Tab connector      2.8      10 A  
                             6.3      20 A

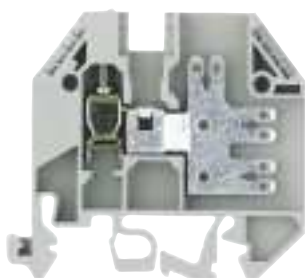


| Description                           | Type                   | Part No.             | Std. Pack            |
|---------------------------------------|------------------------|----------------------|----------------------|
| Feed-through block, gray              | WK/3-6 S K0/U          | 57.504.7355.0        | 100                  |
| <b>General data</b>                   |                        |                      |                      |
| Width / length / height, incl. TS 7.5 | 6 mm / 72 mm / 40 mm   |                      |                      |
| Wire strip length                     | 9 mm                   |                      |                      |
| Approvals                             |                        |                      |                      |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>            | <b>CSA</b>           |
|                                       | EN 60947-7-1, EN 61210 |                      |                      |
| For use with insulating sleeves       |                        |                      |                      |
| Cross section fine-stranded           | 0.5–4 mm <sup>2</sup>  |                      |                      |
| Cross section solid/stranded          | 0.5–4 mm <sup>2</sup>  |                      |                      |
| Cross section, AWG                    |                        | 22–12                | 22–12                |
| Rated current                         | 20 A                   | 10 A                 | 10 A                 |
| Rated voltage                         | 690 V <sup>(1)</sup>   | 300 V <sup>(1)</sup> | 300 V <sup>(1)</sup> |
| Rated impulse voltage                 | 8 kV                   |                      |                      |
| Pollution degree                      | 3                      |                      |                      |
| <b>Accessories</b>                    |                        |                      |                      |
| End plate, gray                       | Type                   | Part No.             | Std. Pack            |
|                                       | 9701 A/6 1 S K0 TP 2   | 07.310.5855.0        | 10                   |
| Cross connector with screws           | 2 pole                 | 2072/2               | 50                   |
|                                       | 3 pole                 | 2072/2               | 50                   |
|                                       | up to 6 pole           | 2072/6               | 50                   |

## WK 4 3-6 S 1 K/U

- Feed-through block with push-on connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Push-on connectors 2.8 x 0.8 acc. to DIN 46247
- Push-on connectors 6.3 x 0.8 acc. to DIN 46247
- Current carrying capability according to DIN 46249

|               |     |      |
|---------------|-----|------|
| Tab connector | 2.8 | 10 A |
|               | 6.3 | 20 A |



| Description                           | Type                      | Part No.            | Std. Pack           |
|---------------------------------------|---------------------------|---------------------|---------------------|
| Feed-through block, gray              | WK 4 3-6 S 1 K/U          | 57.504.3755.0       | 100                 |
| <b>General data</b>                   |                           |                     |                     |
| Width / length / height, incl. TS 7.5 | 6 mm / 52 mm / 48 mm      |                     |                     |
| Wire strip length                     | 9 mm                      |                     |                     |
| Approvals                             |                           |                     |                     |
| <b>Technical data</b>                 | <b>IEC</b>                | <b>UL</b>           | <b>CSA</b>          |
|                                       | EN 60947-7-1, EN 61 210   |                     |                     |
| Cross section fine-stranded           | 0.5–4 mm <sup>2</sup>     |                     |                     |
| Cross section solid/stranded          | 0.5–6 mm <sup>2</sup>     |                     |                     |
| Cross section, AWG                    |                           | 22–12               | 22–12               |
| Rated current                         | 20 A                      | 10 A                | 10 A                |
| Rated voltage                         | 800 V <sup>1)</sup>       | 300 V <sup>1)</sup> | 300 V <sup>1)</sup> |
| Rated impulse voltage                 | 8 kV                      |                     |                     |
| Pollution degree                      | 3                         |                     |                     |
| <b>Accessories</b>                    |                           |                     |                     |
| End plate, gray                       | AP 4 3 S 1 K              | 07.311.3855.0       | 10                  |
| Cross connector with screws           | 2 pole IVB WK 4-2         | Z7.281.1227.0       | 10                  |
|                                       | 3 pole IVB WK 4-3         | Z7.281.1327.0       | 10                  |
|                                       | up to 12 pole IVB WK 4-12 | Z7.281.2227.0       | 10                  |

## WK/5-10 S/U

- Feed-through block with push-on connection for mounting on TS 35
- Push-on connectors 2.8 x 0.8 acc. to DIN 46247
- Push-on connectors 6.3 x 0.8 acc. to DIN 46247
- Current carrying capability according to DIN 46249

|               |     |      |
|---------------|-----|------|
| Tab connector | 2.8 | 10 A |
|               | 6.3 | 20 A |



| Description                           | Type                       | Part No.            | Std. Pack           |
|---------------------------------------|----------------------------|---------------------|---------------------|
| Feed-through block, gray              | WK/5-10 S/U                | 57.504.3655.0       | 100                 |
| <b>General data</b>                   |                            |                     |                     |
| Width / length / height, incl. TS 7.5 | 6 mm / 52 mm / 48 mm       |                     |                     |
| Wire strip length                     |                            |                     |                     |
| Approvals                             |                            |                     |                     |
| <b>Technical data</b>                 | <b>IEC</b>                 | <b>UL</b>           | <b>CSA</b>          |
|                                       | EN 60947-7-1, EN 61 210    |                     |                     |
| Cross section fine-stranded           |                            |                     |                     |
| Cross section solid/stranded          |                            |                     |                     |
| Cross section, AWG                    |                            |                     | 22–12               |
| Rated current                         | 20 A                       | 10 A                | 10 A                |
| Rated voltage                         | 800 V <sup>1)</sup>        | 300 V <sup>1)</sup> | 300 V <sup>1)</sup> |
| Rated impulse voltage                 | 8 kV                       |                     |                     |
| Pollution degree                      | 3                          |                     |                     |
| <b>Accessories</b>                    |                            |                     |                     |
| End plate, gray                       | AP 5 S                     | 07.311.4655.0       | 10                  |
| Cross connector with screws           | 2 pole IVB WKI 4-2         | Z7.271.4227.0       | 10                  |
|                                       | 3 pole IVB WKI 4-3         | Z7.271.4327.0       | 10                  |
|                                       | up to 12 pole IVB WKI 4-12 | Z7.271.5227.0       | 10                  |

## Accessories for *selos* WK/...



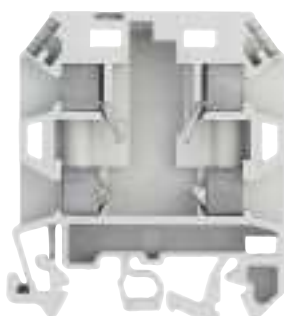
| Accessories                           | Type                | Part No.      | Std. Pack |
|---------------------------------------|---------------------|---------------|-----------|
| Partition plate with marking facility | yellow TS 4 GELB    | 07.311.2153.8 | 10        |
| Single cover with marking facility    | yellow AD VB 4 GELB | 04.326.2153.8 | 10        |
| Insulating sleeve for tab connector   |                     |               |           |
| for H0. V-K 1.5 mm <sup>2</sup>       | yellow              | 05.592.7553.0 | 2000      |
| for H0. V-K 2.5 mm <sup>2</sup>       | yellow              | 05.592.7653.0 | 2000      |

<sup>1)</sup> Rating for use with insulating sleeves

## Function blocks with screw connection

### 9786 U/12

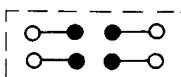
- Function block with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                      | Type          | Part No.      | Std. Pack |
|----------------------------------|---------------|---------------|-----------|
| Function block empty             | 9786 U/12     | 57.904.2055.0 | 50        |
| with bridge rectifier B380 C1500 | 9786 U/12 G4  | 57.904.2555.0 | 50        |
| with optocoupler CNY 17/3        | 9786 U/12 OPK | 57.904.2855.0 | 50        |

| General data                          |                         |    |       |
|---------------------------------------|-------------------------|----|-------|
| Width / length / height, incl. TS 7.5 | 12 mm / 52 mm / 58 mm   |    |       |
| Wire strip length                     | 9 mm                    |    |       |
| Approvals                             |                         |    |       |
| Technical data                        | IEC                     | UL | CSA   |
|                                       | EN 60947-7-1            |    |       |
| Cross section fine-stranded           | 0.5–2.5 mm <sup>2</sup> |    |       |
| Cross section solid/stranded          | 0.5–2.5 mm <sup>2</sup> |    |       |
| Cross section, AWG                    |                         |    | 22–14 |
| Rated current                         | 24 A                    |    | 6 A   |
| Rated voltage                         | 800 V                   |    | 300 V |
| Rated impulse voltage                 | 8 kV                    |    |       |
| Pollution degree                      | 3                       |    |       |



### 9785 U/... - SPT

- Compensating terminal with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2.5 mm<sup>2</sup>

Resistor range: 0.25 Ω up to 100 Ω  
 Resistor tolerance: ± 10%  
 Resistor range: 100 Ω up to 50 kΩ  
 Resistor tolerance: ± 20%  
 Limite continuous resistance value:  
 0.75 W up to 70 °C  
 Max. load: 100 mA  
 Temperature coefficient: 0 up to +500 ppm/°C  
 Max. operating voltage: 300 V



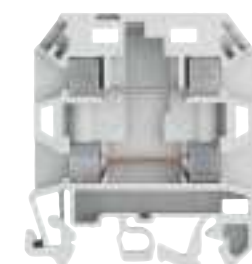
| Description                           | Type                   | Part No.      | Std. Pack |
|---------------------------------------|------------------------|---------------|-----------|
| Compensating terminal, gray           | 10 Ω 9785 U/10 Ω       | 57.904.0055.0 | 50        |
| with potentiometer                    | 20 Ω 9785 U/20 Ω       | 57.904.0155.0 | 50        |
|                                       | 50 Ω 9785 U/50 Ω       | 57.904.0255.0 | 50        |
|                                       | 100 Ω 9785 U/100 Ω     | 57.904.0355.0 | 50        |
|                                       | 200 Ω 9785 U/200 Ω     | 57.904.0455.0 | 50        |
|                                       | 510 Ω 9785 U/500 Ω     | 57.904.0555.0 | 50        |
|                                       | 1 kΩ 9785 U/1 kΩ       | 57.904.0655.0 | 50        |
|                                       | 2 kΩ 9785 U/2 kΩ       | 57.904.0755.0 | 50        |
|                                       | 5 kΩ 9785 U/5 kΩ       | 57.904.0855.0 | 50        |
|                                       | 10 kΩ 9785 U/10 kΩ     | 57.904.0955.0 | 50        |
|                                       | 20 kΩ 9785 U/20 kΩ     | 57.904.1055.0 | 50        |
|                                       | 50 kΩ 9785 U/50 kΩ     | 57.904.1155.0 | 50        |
| Compensating terminal, gray           | 10 Ω 9785 U/10 Ω-SPT   | 57.904.3955.0 | 50        |
| with potentiometer as voltage divider | 20 Ω 9785 U/20 Ω-SPT   | 57.904.4155.0 | 50        |
|                                       | 50 Ω 9785 U/50 Ω-SPT   | 57.904.4255.0 | 50        |
|                                       | 100 Ω 9785 U/100 Ω-SPT | 57.904.4355.0 | 50        |
|                                       | 200 Ω 9785 U/200 Ω-SPT | 57.904.4455.0 | 50        |
|                                       | 510 Ω 9785 U/500 Ω-SPT | 57.904.4555.0 | 50        |
|                                       | 1 kΩ 9785 U/1 kΩ-SPT   | 57.904.4655.0 | 50        |
|                                       | 2 kΩ 9785 U/2 kΩ-SPT   | 57.904.4755.0 | 50        |
|                                       | 5 kΩ 9785 U/5 kΩ-SPT   | 57.904.4855.0 | 50        |
|                                       | 10 kΩ 9785 U/10 kΩ-SPT | 57.904.4955.0 | 50        |
|                                       | 20 kΩ 9785 U/20 kΩ-SPT | 57.904.5055.0 | 50        |
|                                       | 50 kΩ 9785 U/50 kΩ-SPT | 57.904.5155.0 | 50        |

| General/Technical data                |                         |  |  |
|---------------------------------------|-------------------------|--|--|
| Width / length / height, incl. TS 7.5 | 12 mm / 49 mm / 58 mm   |  |  |
| Wire strip length                     | 9 mm                    |  |  |
| Approvals                             | EN 60947-7-1            |  |  |
| Cross section fine-stranded           | 0.5–2.5 mm <sup>2</sup> |  |  |
| Cross section solid/stranded          | 0.5–2.5 mm <sup>2</sup> |  |  |

### 9786 U/TSK...

- Thermocouple terminal with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 2,5 mm<sup>2</sup>

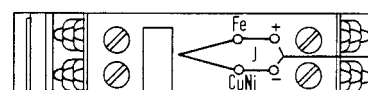


| Description                               | Type                 | Part No.      | Std. Pack |
|-------------------------------------------|----------------------|---------------|-----------|
| Thermocouple terminal type T-Cu/CuNi 44   | 9786 U/TSK Cu-CuNi   | 57.904.7355.0 | 50        |
| Thermocouple terminal type E-NiCr/CuNi 44 | 9786 U/TSK NiCr-CuNi | 57.904.7055.0 | 50        |
| Thermocouple terminal type J-Fe/CuNi 44   | 9786 U/TSK Fe-CuNi   | 57.904.7155.0 | 50        |
| Thermocouple terminal type K-NiCr/Ni      | 9786 U/TSK NiCr-Ni   | 57.904.7255.0 | 50        |
| Thermocouple terminal type R-PtRh 13/Pt   | 9786 U/TSK E-Cu-A-Cu | 57.904.7455.0 | 50        |

| General data                          |                         |    |     |
|---------------------------------------|-------------------------|----|-----|
| Width / length / height, incl. TS 7.5 | 12 mm / 52 mm / 58 mm   |    |     |
| Wire strip length                     | 9 mm                    |    |     |
| Approvals                             |                         |    |     |
| Technical data                        | IEC                     | UL | CSA |
|                                       | EN 60947-7-1            |    |     |
| Cross section fine-stranded           | 0.5–2.5 mm <sup>2</sup> |    |     |
| Cross section solid/stranded          | 0.5–2.5 mm <sup>2</sup> |    |     |
| Rated voltage                         | 800 V                   |    |     |
| Rated impulse voltage                 | 8 kV                    |    |     |
| Pollution degree                      | 3                       |    |     |

Example:  
 Fe/constantan Fe/CuNi 44  
 fully enclosed design



- Ground disconnect with screw connection for mounting on TS 35 and TS 32
- Nominal cross section 6 mm<sup>2</sup>



| Description                           | Type                    | Part No.      | Std. Pack    |
|---------------------------------------|-------------------------|---------------|--------------|
| Ground disconnect 24-48V≡ with LED    | 9760 U/8 TKE 48         | 57.110.1655.0 | 25           |
| 110-220V≡ with indicator lamp         | 9760 U/8 TKE 220        | 57.110.1555.0 | 25           |
| <b>General data</b>                   |                         |               |              |
| Width / length / height, incl. TS 7.5 | 17,5 mm / 71 mm / 52 mm |               |              |
| Wire strip length                     | 9 mm                    |               |              |
| Approvals                             |                         |               |              |
| <b>Technical data</b>                 | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b>   |
|                                       | EN 60947-7-1            |               |              |
| Cross section fine-stranded           | 1.0–10 mm <sup>2</sup>  |               |              |
| Cross section solid/stranded          | 1.0–10 mm <sup>2</sup>  |               |              |
| Cross section, AWG                    |                         | 18–8          | 18–8         |
| Rated current                         | 30 A                    | 25 A          | 25 A         |
| Rated voltage                         | 24–48 V / 110–220 V     | 48 V / 220 V  | 48 V / 220 V |
| Rated impulse voltage                 |                         |               |              |
| Pollution degree                      |                         |               |              |

#### 9.4.3.1. Ground faults.

Ground faults in any control circuits must not result in unintentional startup, potentially hazardous motions or shutdown of the machine.

During normal operation the auxiliary circuit is connected to the functional ground and the green (24-48V) or yellow (110-220 V) status display is illuminated.

If a low resistance ground fault occurs, the line fuse will blow.

Once the contact separator is open, you can replace the fuse.

The illumination of the red lamp alone indicates an ground fault.

After the fault had been rectified, the green (24-48V) or yellow (110-220V) display will also light up. The contacts should now be moved to the "on" position as a result of which the red lamp will go out.

The illumination of the yellow or green lamp and external display indicates that the auxiliary circuit has been reconnected to the functional ground.

Normal operation

12V

3.6KΩ

1N4007

3.6KΩ

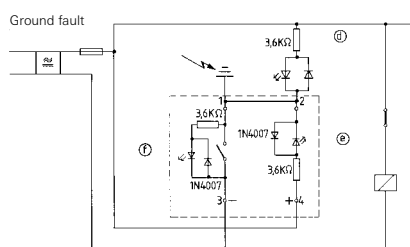
1N4007

3.6KΩ

(c)

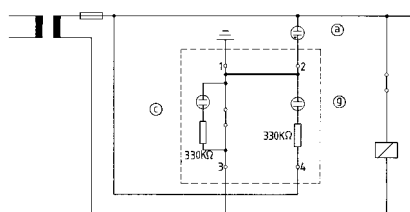
(b)

- (a) external status display lights up
- (b) green status display lights up
- (c) red ground-fault indicator lights up

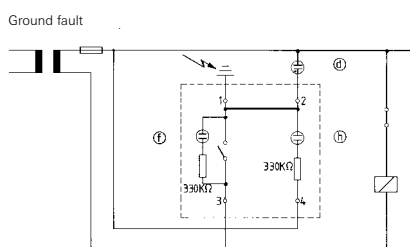


- (d) external status display lights up
- (e) green status display lights up
- (f) red ground-fault indicator lights up

### Normal operation

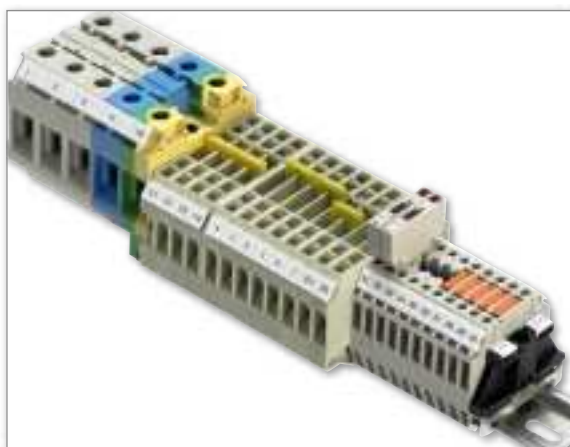


- ⑨ yellow status display lights up



- (h) yellow indicator light not flashing

## Instrument isolating terminal with screw connection



Wieland Electric's **selos** WKN 6 TK block offers a simple and effective DIN rail block solution for use in measuring circuits for current, voltage or energy. All circuits in everyday practice can be neatly implemented with the instrument isolating terminal and a few accessory parts. Only two blocks are needed for simple transformer circuits.

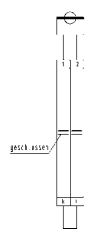
The main focus during the development of this block was clear and simple handling as well as universal application. All switching states of the block and the converter circuit are clearly recognizable and the extensive accessory program is easy to use.

The block and the accessories meet the requirements of protection against accidental finger touch as per BGV A2.

### Technical data as per EN 60947-7:

|                      |                   |                      |                        |
|----------------------|-------------------|----------------------|------------------------|
| Rated cross section: | 6 mm <sup>2</sup> | Rated current:       | 57 A                   |
| Rated voltage:       | 400 V             | Connection capacity: | 0.5-10 mm <sup>2</sup> |

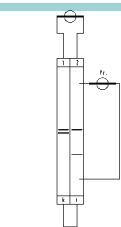
### Normal operation



Disconnect point closed

Short circuit contact open

### Measured value test



Disconnect point open

Short circuit contact open

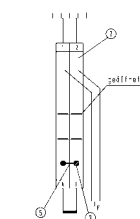
### Current transformer short circuit



Disconnect point closed

Short circuit contact closed

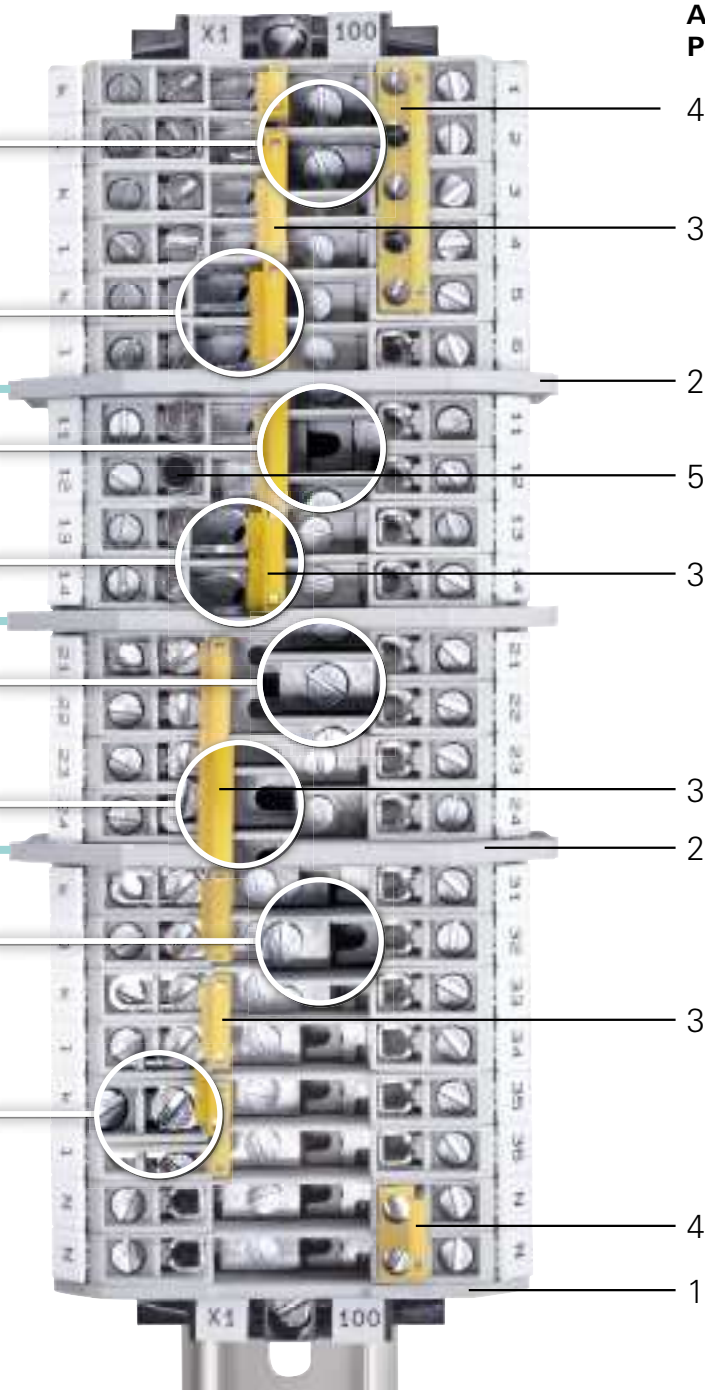
### Relay test



Disconnect point open

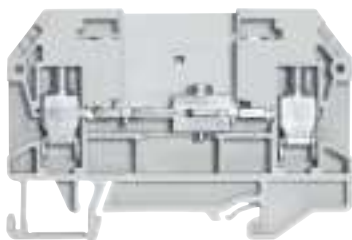
Short circuit contact closed

### Accessories Pos.



**WKN 6 TK**

- Instrument isolating terminal for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Instrument isolating terminal         | WKN6 TK                | 56.106.0055.0 | 50         |
| Feed-through block                    | WKN6 TK D              | 56.106.0155.0 | 50         |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 8 mm / 73 mm / 58 mm   |               |            |
| Wire strip length                     | 12 mm                  |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1           |               |            |
| Cross section fine-stranded           | 0.5–6 mm <sup>2</sup>  |               |            |
| Cross section solid/stranded          | 0.5–10 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        |               |            |
| Rated current                         | 57 A                   |               |            |
| Rated voltage                         | 500 V                  |               |            |
| Rated impulse voltage                 | 6 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |

**WKN 6 TK SF**

- Instrument isolating terminal with spring support for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>



| Description                           | Type                   | Part No.           | Std. Pack |
|---------------------------------------|------------------------|--------------------|-----------|
| Instrument isolating terminal         | WKN6 TK SF             | 56.106.0755.0      | 50        |
| Feed-through block                    | WKN6 TK SFD            | 56.106.0855.0      | 50        |
| <b>General data</b>                   |                        |                    |           |
| Width / length / height, incl. TS 7.5 | 8 mm / 73 mm / 58 mm   |                    |           |
| Wire strip length                     | 12 mm                  |                    |           |
| Approvals                             |                        |                    |           |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>EA TS 50-18</b> |           |
|                                       | EN 60947-7-1           |                    |           |
| Cross section fine-stranded           | 0.5–6 mm <sup>2</sup>  |                    |           |
| Cross section solid/stranded          | 0.5–10 mm <sup>2</sup> |                    |           |
| Cross section, AWG                    |                        |                    |           |
| Rated current                         | 57 A                   | 25 A               |           |
| Rated voltage                         | 500 V                  | 500 V              |           |
| Rated impulse voltage                 | 6 kV                   |                    |           |
| Pollution degree                      | 3                      |                    |           |

**Accessories for selos WKN 6 TK...**

| <b>Accessories</b>                        |        | Type          | Part No.      | Std. Pack |
|-------------------------------------------|--------|---------------|---------------|-----------|
| 1. End plate                              | 2 mm   | APN 6 TK      | 07.313.1755.0 | 10        |
| 2. Partition                              |        | TW 6 TK       | 07.312.0453.0 | 10        |
| 3. Sliding short-circuit slide, insulated | 2 pole | IVS WKN6 TK-2 | Z7.282.7229.0 | 10        |
|                                           | 3 pole | IVS WKN6 TK-3 | Z7.282.7329.0 | 10        |
|                                           | 4 pole | IVS WKN6 TK-4 | Z7.282.7429.0 | 10        |
| 4. Cross connector with screws, insulated | 2 pole | IVB WKN6 TK-2 | Z7.282.6229.0 | 10        |
|                                           | 3 pole | IVB WKN6 TK-3 | Z7.282.6329.0 | 10        |
|                                           | 4 pole | IVB WKN6 TK-4 | Z7.282.6429.0 | 10        |
|                                           | 5 pole | IVB WKN6 TK-5 | Z7.282.6529.0 | 10        |
|                                           | 6 pole | IVB WKN6 TK-6 | Z7.282.6629.0 | 10        |
| 5. Test socket                            | gray   | SBN 4 GRAU    | Z5.511.3553.0 | 10        |
|                                           | violet | SBN 4 VIOLETT | Z5.511.3553.9 | 10        |
|                                           | green  | SBN 4 GRÜN    | Z5.511.3553.7 | 10        |
|                                           | yellow | SBN 4 GELB    | Z5.511.3553.8 | 10        |
|                                           | blue   | SBN 4 BLAU    | Z5.511.3553.6 | 10        |
| 6. Disconnect locking device              |        | SP WKN 6 TK   | 05.566.6855.9 | 50        |
| Jumper comb for WKN 6 TK                  | 2 pole | IVK WKN 6TK-2 | Z7.255.8227.0 | 10        |
|                                           | 3 pole | IVK WKN 6TK-3 | Z7.255.8327.0 | 10        |
|                                           | 4 pole | IVK WKN 6TK-4 | Z7.255.8427.0 | 10        |
|                                           | 5 pole | IVK WKN 6TK-5 | Z7.255.8527.0 | 10        |
|                                           | 6 pole | IVK WKN 6TK-6 | Z7.255.8627.0 | 10        |

## Instrument isolating terminal with screw connection WK6 TK



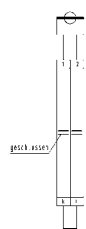
Wieland Electric's **selos** WK 6 TK block offers an optimal DIN rail block solution for all types of measuring circuits of current, voltage or energy. All circuits occurring during everyday practice can be implemented with the Instrument isolating terminal and a few accessories.

Complete insulated selectable connecting links are available as standard, as are insulated test sockets in all conventional signal colors. Two additional jumpering facilities permit the installation of fixed cross connections (e.g., for internal distribution of the k point of converter circuits). Standard cross connectors in a wide variety of numbers of pins are available for this purpose. The jumpers are easy to disconnect so that you can skip over blocks.

### Technical data as per EN 60947-7:

|                      |                  |                      |                       |
|----------------------|------------------|----------------------|-----------------------|
| Rated cross section: | 6mm <sup>2</sup> | Rated current:       | 32A                   |
| Rated voltage:       | 400V             | Connection capacity: | 0.5-10mm <sup>2</sup> |

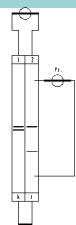
### Normal operation



Disconnect point  
closed

Short circuit contact  
open

### Measured value test



Disconnect point  
open

Short circuit contact  
open

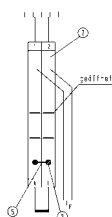
### Current transformer short circuit



Disconnect point  
closed

Short circuit contact  
closed

### Relay test



Disconnect point  
open

Short circuit contact  
closed

### Accessories Pos.

4 (yellow)

4 (green)

5

4 (violet)

2

1

4 (gray)

2

4 (blue)

3

**WK6 TK/35**

- Instrument isolating terminal for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Instrument isolating terminal         | WK6 TK/35              | 56.106.0553.0 | 50         |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 8 mm / 87 mm / 49 mm   |               |            |
| Wire strip length                     | 12 mm                  |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
| For use with insulating sleeves       | EN 60947-7-1           |               |            |
| Cross section fine-stranded           | 0.5–6 mm <sup>2</sup>  |               |            |
| Cross section solid/stranded          | 0.5–10 mm <sup>2</sup> |               |            |
| Cross section, AWG                    | 20–8                   |               |            |
| Rated current                         | 32 A                   | 45 A          | 45 A       |
| Rated voltage                         | 400 V                  | 600 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |

**WK6 TK P3/35**

- Instrument isolating terminal with mounted test sockets for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Instrument isolating terminal         | WK6 TK P3/35           | 56.106.0653.0 | 50         |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 8 mm / 87 mm / 62 mm   |               |            |
| Wire strip length                     | 12 mm                  |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
| For use with insulating sleeves       | EN 60947-7-1           |               |            |
| Cross section fine-stranded           | 0.5–6 mm <sup>2</sup>  |               |            |
| Cross section solid/stranded          | 0.5–10 mm <sup>2</sup> |               |            |
| Cross section, AWG                    | 20–8                   |               |            |
| Rated current                         | 32 A                   | 45 A          | 45 A       |
| Rated voltage                         | 400 V                  | 600 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |

**Accessories for selos WK6 TK.../35**

| Accessories                               | Type      | Part No.      | Std. Pack |
|-------------------------------------------|-----------|---------------|-----------|
| 1. Partition                              | TW 6 TK   | 07.312.0453.0 | 10        |
| 2. Sliding short-circuit slide, insulated | 2 pole    | IVS WK6 TK-2  | 50        |
|                                           | 3 pole    | IVS WK6 TK-3  | 50        |
|                                           | 4 pole    | IVS WK6 TK-4  | 50        |
|                                           | 5 pole    | IVS WK6 TK-5  | 50        |
| 3. Cross connector with screws, insulated | 2 pole    | IVB WK6 TK-2  | 50        |
|                                           | 3 pole    | IVB WK6 TK-3  | 50        |
|                                           | 4 pole    | IVB WK6 TK-4  | 50        |
|                                           | 5 pole    | IVB WK6 TK-5  | 50        |
|                                           | 10 pole   | IVB WK6 TK-10 | 50        |
|                                           | 15 pole   | IVB WK6 TK-15 | 50        |
| 4. Test socket                            | gray      | SB 4 GRAU     | 10        |
|                                           | violet    | SB 4 VIOLETT  | 10        |
|                                           | green     | SB 4 GRÜN     | 10        |
|                                           | yellow    | SB 4 GELB     | 10        |
|                                           | blue      | SB 4 BLAU     | 10        |
| 5. Disconnect locking device              | SP WK6 TK | 05.563.5453.0 | 50        |

## Screw type terminal blocks with spring support

### WKN 6 SF

- Feed-through block with spring support for mounting on TS 35 and TS 32
- Nominal cross section 6 mm<sup>2</sup>



| Description                                       | Type                   | Part No.           | Std. Pack |
|---------------------------------------------------|------------------------|--------------------|-----------|
| Feed-through block, gray                          | WKN 6 SF               | 57.506.0555.0      | 100       |
| <b>General data</b>                               |                        |                    |           |
| Width / length / height, incl. TS 7.5             | 8 mm / 54 mm / 57 mm   |                    |           |
| Wire strip length                                 | 11 mm                  |                    |           |
| Approvals                                         |                        |                    |           |
| <b>Technical data</b>                             | <b>IEC</b>             | <b>EA TS 50-18</b> |           |
|                                                   | EN 60947-7-1           |                    |           |
| Cross section fine-stranded                       | 0.5–6 mm <sup>2</sup>  |                    |           |
| Cross section solid/stranded                      | 0.5–10 mm <sup>2</sup> |                    |           |
| Cross section, AWG                                |                        |                    |           |
| Rated current                                     | 41 A                   | 30 A               |           |
| Rated voltage                                     | 800 V                  | 500 V              |           |
| Rated impulse voltage                             | 8 kV                   |                    |           |
| Pollution degree                                  | 3                      |                    |           |
| <b>Accessories</b>                                |                        |                    |           |
| End plate, gray                                   | APN 6 SF               | 07.313.2355.0      | 10        |
| Partition, gray                                   | TW 6 TK                | 07.312.0453.0      | 10        |
| Cross connector with screws                       | 2 pole                 | IVB WK 6 - 2       | 10        |
| insulated                                         | 3 pole                 | IVB WK 6 - 3       | 10        |
|                                                   | up to 12 pole          | IVB WK 6 - 12      | 10        |
| Single cover f. cross conn. with marking facility | AD VB 6 GELB           | 04.326.2253.8      | 10        |
| Cover with warning symbol                         | yellow                 | AD VB 8/4 GELB     | 10        |

### WKN 10 SF

- Feed-through block with spring support for mounting on TS 35 and TS 32
- Nominal cross section 10 mm<sup>2</sup>



| Description                                       | Type                   | Part No.           | Std. Pack |
|---------------------------------------------------|------------------------|--------------------|-----------|
| Feed-through block, gray                          | WKN 10 SF              | 57.510.0555.0      | 100       |
| <b>General data</b>                               |                        |                    |           |
| Width / length / height, incl. TS 7.5             | 10 mm / 55 mm / 64 mm  |                    |           |
| Wire strip length                                 | 13 mm                  |                    |           |
| Approvals                                         |                        |                    |           |
| <b>Technical data</b>                             | <b>IEC</b>             | <b>EA TS 50-18</b> |           |
|                                                   | EN 60947-7-1           |                    |           |
| Cross section fine-stranded                       | 2.5–10 mm <sup>2</sup> |                    |           |
| Cross section solid/stranded                      | 1.5–16 mm <sup>2</sup> |                    |           |
| Cross section, AWG                                |                        |                    |           |
| Rated current                                     | 57 A                   | 30 A               |           |
| Rated voltage                                     | 800 V                  | 500 V              |           |
| Rated impulse voltage                             | 8 kV                   |                    |           |
| Pollution degree                                  | 3                      |                    |           |
| <b>Accessories</b>                                |                        |                    |           |
| End plate, gray                                   | APN 10 SF              | 07.313.2455.0      | 10        |
| Partition, gray                                   | TW 6 TK                | 07.312.0453.0      | 10        |
| Cross connector with screws                       | 2 pole                 | IVB WK 10 - 2      | 10        |
| insulated                                         | 3 pole                 | IVB WK 10 - 3      | 10        |
|                                                   | up to 12 pole          | IVB WK 10 - 12     | 10        |
| Single cover f. cross conn. with marking facility | AD VB 10 GELB          | 04.326.2353.8      | 10        |
| Cover with warning symbol                         | yellow                 | AD VB 10/4 GELB    | 10        |

## DIN rail terminal blocks with ring lug connection

### WRT 6

- Feed-through block with ring lug connection for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>



| Description                           | Type                  | Part No.         | Std. Pack  |
|---------------------------------------|-----------------------|------------------|------------|
| Feed-through block, gray              | WRT 6                 | 57.106.1155.0    | 100        |
| <b>General data</b>                   |                       |                  |            |
| Width / length / height, incl. TS 7.5 | 11 mm / 49 mm / 51 mm |                  |            |
| Wire strip length                     | 10 mm                 |                  |            |
| Approvals                             |                       |                  |            |
| <b>Technical data</b>                 | <b>IEC</b>            | <b>UL</b>        | <b>CSA</b> |
|                                       | EN 60947-7-1          |                  |            |
| Cross section fine-stranded           | 1.5–6 mm <sup>2</sup> |                  |            |
| Cross section solid/stranded          | 1.5–6 mm <sup>2</sup> |                  |            |
| Cross section, AWG                    |                       | 22–8             | 22–8       |
| Rated current                         | 41 A                  | 50 A             | 50 A       |
| Rated voltage                         | 1000 V                | 600 V            | 600 V      |
| Rated impulse voltage                 | 8 kV                  |                  |            |
| Pollution degree                      | 3                     |                  |            |
| <b>Accessories</b>                    |                       |                  |            |
| End plate, gray                       | APRT 6                | 07.300.6955.0    | 10         |
| Partition, gray                       | TW 6 TK               | 07.312.0453.0    | 10         |
| Cross connector, insulated            | 2 pole                | IVB WRT 6 TK - 2 | 10         |
|                                       | 3 pole                | IVB WRT 6 TK - 3 | 10         |
|                                       | 4 pole                | IVB WRT 6 TK - 4 | 10         |

### WRT 6 TK

- Instrument isolating terminal with ring lug connection for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>



| Description                           | Type                  | Part No.         | Std. Pack  |
|---------------------------------------|-----------------------|------------------|------------|
| Instrument isolating terminal, gray   | WRT 6 TK              | 57.106.1055.0    | 100        |
| <b>General data</b>                   |                       |                  |            |
| Width / length / height, incl. TS 7.5 | 11 mm / 86 mm / 51 mm |                  |            |
| Wire strip length                     | 10 mm                 |                  |            |
| Approvals                             |                       |                  |            |
| <b>Technical data</b>                 | <b>IEC</b>            | <b>UL</b>        | <b>CSA</b> |
|                                       | EN 60947-7-1          |                  |            |
| Cross section fine-stranded           | 1.5–6 mm <sup>2</sup> |                  |            |
| Cross section solid/stranded          | 1.5–6 mm <sup>2</sup> |                  |            |
| Cross section, AWG                    |                       | 22–8             | 22–8       |
| Rated current                         | 41 A                  | 35 A             | 35 A       |
| Rated voltage                         | 1000 V                | 600 V            | 600 V      |
| Rated impulse voltage                 | 8 kV                  |                  |            |
| Pollution degree                      | 3                     |                  |            |
| <b>Accessories</b>                    |                       |                  |            |
| End plate, gray                       | APRT 6                | 07.300.6955.0    | 10         |
| Partition, gray                       | TW 6 TK               | 07.312.0453.0    | 10         |
| Cross connector, insulated            | 2 pole                | IVB WRT 6 TK - 2 | 10         |
|                                       | 3 pole                | IVB WRT 6 TK - 3 | 10         |
|                                       | 4 pole                | IVB WRT 6 TK - 4 | 10         |

## High current terminal blocks with screw connection



**selos** POWER LINE is designed for use in mechanical and plant engineering, railway, and battery applications.

Wieland offers a program which was especially developed for high current applications. The portfolio includes feed through blocks and ring lug terminals. The RFK type feed through blocks include four different cross sections between 95 and 240 mm<sup>2</sup> with different types of connection (e.g., rising cage or ring lug connection).

Ring lug terminals augment the **selos** POWER LINE product line. Blocks with ring lug sizes from M 6 to M 12 are available for the connection of wires with crimped cable lugs.

Extensive accessories optimize the **selos** POWER LINE for a wide variety of applications.

### Technical data as per EN 60947-7:

|                      |                                         |                           |
|----------------------|-----------------------------------------|---------------------------|
| Rated cross section: | 95 mm <sup>2</sup> -240 mm <sup>2</sup> | Rated current: up to 415A |
| Rated voltage:       | 1000V                                   |                           |



### High current blocks, type RFK

- Up to 240 mm<sup>2</sup> rated cross section
- Cable connection via ring lug connection technology, direct connection with rising cage or hybrid solutions
- Current carrying and cross connectors made of E-Cu
- Screws maintain torque via clamping body design, as well as lock washers



### Lug ring connection blocks

- For the connection of cable lugs in versions from M 6 to M 12
- Screws maintain torque via lock washers
- Approved for international rail transportation standards



### Accessories for **selos** POWER

- Covers for provision of protection against accidental touch
- Cross connectors made of E-Cu; 2, 3 and 4-pole
- Partition plates for visual and electrical separation
- All components can be marked with the standard Wieland marking system



### Mounting notice

- When tightening the block screws, we recommend countering by holding the wire to avoid deformation of the mounting rail and to keep the foot of the block free of torsional forces.

**BK M .../35**

- Ring lug terminal for mounting on TS 35



| Type    | Width | Height | Rated current |
|---------|-------|--------|---------------|
| BK M 6  | 19 mm | 56 mm  | 125 A         |
| BK M 8  | 24 mm | 65 mm  | 150 A         |
| BK M 10 | 35 mm | 72 mm  | 265 A         |
| BK M 12 | 35 mm | 74 mm  | 265 A         |

Detailed drawing data on request.

| Description                                          | Type                                                                               | Part No.         | Std. Pack     |    |
|------------------------------------------------------|------------------------------------------------------------------------------------|------------------|---------------|----|
| Ring lug terminal                                    | BK M 6/35                                                                          | 32.530.0053.0    | 25            |    |
|                                                      | BK M 8/35                                                                          | 32.540.0053.0    | 25            |    |
|                                                      | BK M 10/35                                                                         | 32.550.0053.0    | 25            |    |
|                                                      | BK M 12/35                                                                         | 32.560.0053.0    | 25            |    |
| General data                                         |                                                                                    |                  |               |    |
| Width / length / height, incl. TS 7.5                |                                                                                    |                  |               |    |
| Wire strip length                                    |                                                                                    |                  |               |    |
| Approvals                                            |  |                  |               |    |
| Technical data                                       | IEC                                                                                | UL               | CSA           |    |
|                                                      |                                                                                    |                  |               |    |
| Cross section fine-stranded                          |                                                                                    |                  |               |    |
| Cross section solid/stranded                         |                                                                                    |                  |               |    |
| Cross section, AWG                                   |                                                                                    |                  |               |    |
| Rated current                                        |                                                                                    |                  |               |    |
| Rated voltage                                        | 1000 V                                                                             |                  |               |    |
| Rated impulse voltage                                | 8 kV                                                                               |                  |               |    |
| Pollution degree                                     | 3 <sup>1)</sup>                                                                    |                  |               |    |
| Note                                                 | <sup>1)</sup> with partition TW BK                                                 |                  |               |    |
| Accessories                                          |                                                                                    |                  |               |    |
|                                                      | Type                                                                               | Part No.         | Std. Pack     |    |
| Partition                                            | for BK M 6                                                                         | TW BK M 6/35     | 07.340.3553.0 | 25 |
|                                                      | for BK M 8                                                                         | TW BK M 8/35     | 07.340.3653.0 | 25 |
|                                                      | for BK M 10                                                                        | TW BK M 10-12/35 | 07.340.3753.0 | 25 |
|                                                      | for BK M 12                                                                        | TW BK M 10-12/35 | 07.340.3753.0 | 25 |
| Cross connector for tab connection blocks, from E-Cu | for 2 blocks BK M 6                                                                | VB BK M 6/35-2   | 07.205.5227.0 | 20 |
|                                                      | for 3 blocks BK M 6                                                                | VB BK M 6/35-3   | 07.205.5327.0 | 10 |
|                                                      | for 2 blocks BK M 8                                                                | VB BK M 8/35-2   | 07.205.7227.0 | 20 |
|                                                      | for 3 blocks BK M 8                                                                | VB BK M 8/35-3   | 07.205.7327.0 | 10 |
|                                                      | for 2 blocks BK M 10                                                               | VB BK M 10/35-2  | 07.205.8227.0 | 20 |
|                                                      | for 3 blocks BK M 10                                                               | VB BK M 10/35-3  | 07.205.8327.0 | 10 |
|                                                      | for 2 blocks BK M 12                                                               | VB BK M 12/35-2  | 07.205.9227.0 | 20 |
|                                                      | for 3 blocks BK M 12                                                               | VB BK M 12/35-3  | 07.205.9327.0 | 10 |
| Cover                                                | for BK M 6                                                                         | AD BK M 6-8/35   | 04.304.0181.0 | 1  |
|                                                      | for BK M 8                                                                         | AD BK M 6-8/35   | 04.304.0181.0 | 1  |
|                                                      | for BK M 10                                                                        | AD BK M 10-12/35 | 04.304.0281.0 | 1  |
|                                                      | for BK M 12                                                                        | AD BK M 10-12/35 | 04.304.0281.0 | 1  |
| Installation clip for cover                          |                                                                                    | 05.564.0753.0    | 10            |    |

## High current blocks with screw connection

### RFK 1/95... S35

- High current block for mounting on TS 35
- Nominal cross section 95 mm<sup>2</sup>



| Description                           | Type                         | Part No.      | Std. Pack  |
|---------------------------------------|------------------------------|---------------|------------|
| Configuration, gray                   | <b>F</b> RFK 1/95 F S 35     | 56.395.0055.0 | 10         |
|                                       | <b>K</b> RFK 1/95 K S 35     | 56.395.0155.0 | 10         |
|                                       | <b>FK</b> RFK 1/95 FK S 35   | 56.395.0255.0 | 10         |
|                                       | <b>FM</b> RFK 1/95 FM S 35   | 56.395.1055.0 | 10         |
|                                       | <b>FMK</b> RFK 1/95 FMK S 35 | 56.395.1255.0 | 10         |
| <b>General data</b>                   |                              |               |            |
| Width / length / height, incl. TS 7.5 | see list                     |               |            |
| Wire strip length                     | 27 mm                        |               |            |
| Approvals                             |                              |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                   | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1                 |               |            |
| Cross section fine-stranded           | 16–95 mm <sup>2</sup>        |               |            |
| Cross section solid/stranded          | 16–95 mm <sup>2</sup>        |               |            |
| Cross section, AWG                    |                              | 6-3/0         | 6-3/0      |
| Rated current                         | 250 A                        | 200 A         | 200 A      |
| Rated voltage                         | 1000 V                       | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                         |               |            |
| Pollution degree                      | 3                            |               |            |
| <b>Accessories</b>                    |                              |               |            |
| Cover for RFK 1/..., yellow           |                              | Z7.409.5753.0 | 10         |
| Partition/end plate 2.8mm thick       | TE/RFK 1/95                  | 07.340.0353.0 | 50         |
| Cross connector, for 2 blocks         | VB RFK 1/95/2/32             | 07.205.1227.0 | 20         |
| from E-Cu for 3 blocks                | VB RFK 1/95/3/32             | 07.205.1327.0 | 10         |
| for 4 blocks                          | VB RFK 1/95/4/32             | 07.205.1427.0 | 10         |

### RFK 1/150... S35

- High current block for mounting on TS 35
- Nominal cross section 150 mm<sup>2</sup>



| Description                           | Type                         | Part No.      | Std. Pack   |
|---------------------------------------|------------------------------|---------------|-------------|
| Configuration, gray                   | <b>F</b> RFK 1/150 F S35     | 56.397.0055.0 | 10          |
|                                       | <b>K</b> RFK 1/150 K S35     | 56.397.0155.0 | 10          |
|                                       | <b>FK</b> RFK 1/150 FK S35   | 56.397.0255.0 | 10          |
|                                       | <b>FMK</b> RFK 1/150 FMK S35 | 56.397.1255.0 | 10          |
| <b>General data</b>                   |                              |               |             |
| Width / length / height, incl. TS 7.5 | see list                     |               |             |
| Wire strip length                     | 27 mm                        |               |             |
| Approvals                             |                              |               |             |
| <b>Technical data</b>                 | <b>IEC</b>                   | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60947-7-1                 |               |             |
| Cross section fine-stranded           | 70–150 mm <sup>2</sup>       |               |             |
| Cross section solid/stranded          | 70–150 mm <sup>2</sup>       |               |             |
| Cross section, AWG                    |                              | 0 - 300 MCM   | 0 - 300 MCM |
| Rated current                         | 335 A                        | 275 A         | 300 A       |
| Rated voltage                         | 1000 V                       | 600 V         | 600 V       |
| Rated impulse voltage                 | 8 kV                         |               |             |
| Pollution degree                      | 3                            |               |             |
| <b>Accessories</b>                    |                              |               |             |
| Cover for RFK 1/..., yellow           |                              | Z7.409.5853.0 | 10          |
| Partition/end plate 2.8mm thick       | TE/RFK 1/150 - 240 PA        | 07.340.1053.0 | 50          |
| Cross connector, for 2 blocks         | VB RFK 1/185/2               | 07.201.4227.0 | 10          |
| from E-Cu for 3 blocks                | VB RFK 1/185/3               | 07.201.4327.0 | 10          |
| for 4 blocks                          | VB RFK 1/185/4               | 07.201.4427.0 | 10          |

**RFK 1/185... S35**

- High current block for mounting on TS 35
- Nominal cross section 185 mm<sup>2</sup>



| Description                           | Type                               | Part No.      | Std. Pack     |
|---------------------------------------|------------------------------------|---------------|---------------|
| Configuration, gray                   | <b>F</b> RFK 1/185 F S 35          | 56.398.0055.0 | 10            |
|                                       | <b>FM</b> RFK 1/185 FM S 35        | 56.398.1055.0 | 10            |
| <b>General data</b>                   |                                    |               |               |
| Width / length / height, incl. TS 7.5 | see list                           |               |               |
| Wire strip length                     | 27 mm                              |               |               |
| Approvals                             |                                    |               |               |
| <b>Technical data</b>                 | <b>IEC</b>                         | <b>UL</b>     | <b>CSA</b>    |
| For use with insulating sleeves       | EN 60947-7-1                       |               |               |
| Cross section fine-stranded           |                                    |               |               |
| Cross section solid/stranded          |                                    |               |               |
| Cross section, AWG                    |                                    | 0 - 400 kcmil | 0 - 400 kcmil |
| Rated current                         | 353 A                              | 375 A         | 375 A         |
| Rated voltage                         | 1000 V                             | 600 V         | 600 V         |
| Rated impulse voltage                 | 8 kV                               |               |               |
| Pollution degree                      | 3                                  |               |               |
| <b>Accessories</b>                    |                                    |               |               |
| Cover for RFK 1/..., yellow           |                                    | Z7.409.5853.0 | 10            |
| Partition/end plate                   | 2.8 mm thick TE/RFK 1/150 - 240 PA | 07.340.1053.0 | 50            |
| Cross connector, from E-Cu            | for 2 blocks VB RFK 1/185/2        | 07.201.4227.0 | 10            |
|                                       | for 3 blocks VB RFK 1/185/3        | 07.201.4327.0 | 10            |
|                                       | for 4 blocks VB RFK 1/185/4        | 07.201.4427.0 | 10            |

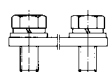
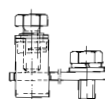
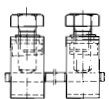
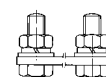
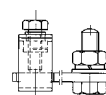
**RFK 1/240... S35**

- High current block for mounting on TS 35
- Nominal cross section 240 mm<sup>2</sup>

\*) Use only cable lugs type DIN 46234



| Description                           | Type                               | Part No.      | Std. Pack       |
|---------------------------------------|------------------------------------|---------------|-----------------|
| Configuration, gray                   | <b>F</b> RFK 1/240 F S 35*)        | 56.399.0055.0 | 10              |
|                                       | <b>K</b> RFK 1/240 K S 35          | 56.399.0155.0 | 10              |
|                                       | <b>FK</b> RFK 1/240 FK S 35*)      | 56.399.0255.0 | 10              |
|                                       | <b>FM</b> RFK 1/240 FM S 35*)      | 56.399.1055.0 | 10              |
|                                       | <b>FMK</b> RFK 1/240 FMK S 35*)    | 56.399.1255.0 | 10              |
| <b>General data</b>                   |                                    |               |                 |
| Width / length / height, incl. TS 7.5 | see list                           |               |                 |
| Wire strip length                     | 27 mm                              |               |                 |
| Approvals                             |                                    |               |                 |
| <b>Technical data</b>                 | <b>IEC</b>                         | <b>UL</b>     | <b>CSA</b>      |
| For use with insulating sleeves       | EN 60947-7-1                       |               |                 |
| Cross section fine-stranded           | 70 - 240 mm <sup>2</sup>           |               |                 |
| Cross section solid/stranded          | 70 - 240 mm <sup>2</sup>           |               |                 |
| Cross section, AWG                    |                                    | 0 - 500 kcmil | 3/0 - 500 kcmil |
| Rated current                         | 415 A                              | 375 A         | 425 A           |
| Rated voltage                         | 1000 V                             | 600 V         | 600 V           |
| Rated impulse voltage                 | 8 kV                               |               |                 |
| Pollution degree                      | 3                                  |               |                 |
| <b>Accessories</b>                    |                                    |               |                 |
| Cover for RFK 1/..., yellow           |                                    | Z7.409.5853.0 | 10              |
| Partition/end plate                   | 2.8 mm thick TE/RFK 1/150 - 240 PA | 07.340.1053.0 | 50              |
| Cross connector, from E-Cu            | for 2 blocks VB RFK 1/240/2        | 07.201.8227.0 | 10              |
|                                       | for 3 blocks VB RFK 1/240/3        | 07.201.8327.0 | 10              |
|                                       | for 4 blocks VB RFK 1/240/4        | 07.201.8427.0 | 10              |

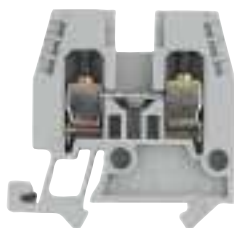
**Configurations****F****FK****K****FM****FMK**

| mm <sup>2</sup> | Type       | Screw | Width mm | Length mm | Height, incl. TS 7,5 mm |
|-----------------|------------|-------|----------|-----------|-------------------------|
| 95              | F          | M10   | 32       | 92        | 55                      |
|                 | FM         | M10   | 32       | 92        | 65                      |
|                 | K, FK, FMK | M10   | 32       | 92        | 78                      |
| 150             | F          | M12   | 42       | 92        | 55                      |
|                 | K, FK, FMK | M12   | 42       | 92        | 78                      |
| 185             | F          | M12   | 42       | 92        | 55                      |
|                 | FM         | M12   | 42       | 92        | 70                      |
| 240             | F          | M12   | 42       | 92        | 55                      |
|                 | FM         | M12   | 42       | 92        | 77                      |
|                 | K, FK, FMK | M12   | 42       | 92        | 93                      |

## Mini blocks with screw connection for TS 15

### WKM 2,5/15

- Feed-through block for mounting on TS 15
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                                       | Type                                                                                                                                                                                                                                                                                                                                                           | Part No.            | Std. Pack               |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|
| Feed-through block, gray                          | WKM 2,5/15                                                                                                                                                                                                                                                                                                                                                     | 55.503.1053.0       | 100                     |
| Feed-through block, blue                          | WKM 2,5/15 BLAU                                                                                                                                                                                                                                                                                                                                                | 55.503.1053.6       | 100                     |
| General data                                      |                                                                                                                                                                                                                                                                                                                                                                |                     |                         |
| Width / length / height, incl. TS 7.5             | 5 mm / 32 mm / 32 mm                                                                                                                                                                                                                                                                                                                                           |                     |                         |
| Wire strip length                                 | 9 mm                                                                                                                                                                                                                                                                                                                                                           |                     |                         |
| Approvals                                         |     KEMA 02 ATEX 2114 U |                     |                         |
| Technical data                                    | IEC                                                                                                                                                                                                                                                                                                                                                            | UL                  | CSA                     |
|                                                   | EN 60 947-7-1                                                                                                                                                                                                                                                                                                                                                  |                     | EN 60 079-0/-7          |
| Cross section fine-stranded                       | 0.5–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                        |                     | 0.5–2.5 mm <sup>2</sup> |
| Cross section solid/stranded                      | 0.5–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                          |                     | 0.5–4 mm <sup>2</sup>   |
| Cross section, AWG                                |                                                                                                                                                                                                                                                                                                                                                                | 22–14               | 24–12                   |
| Rated current                                     | 25 A                                                                                                                                                                                                                                                                                                                                                           | 10 A                | 20 A                    |
| Rated voltage                                     | 500 V                                                                                                                                                                                                                                                                                                                                                          | 300 V               | 600 V                   |
| Rated impulse voltage                             | 6 kV                                                                                                                                                                                                                                                                                                                                                           |                     | 275 V                   |
| Pollution degree                                  | 3                                                                                                                                                                                                                                                                                                                                                              |                     |                         |
| Accessories                                       | Type                                                                                                                                                                                                                                                                                                                                                           | Part No.            | Std. Pack               |
| End plate                                         | gray                                                                                                                                                                                                                                                                                                                                                           | APM 2,5 - 4/15      | 07.311.0853.0           |
|                                                   | blue                                                                                                                                                                                                                                                                                                                                                           | APM 2,5 - 4/15 BLAU | 07.311.0853.6           |
| Partition                                         | gray                                                                                                                                                                                                                                                                                                                                                           | TWM 2,5 - 4/15      | 07.311.1853.0           |
| Cross connector with screws,                      | 2 pole                                                                                                                                                                                                                                                                                                                                                         | VB WKM 2,5/15-2     | Z7.215.4227.0           |
| E-Cu                                              | 3 pole                                                                                                                                                                                                                                                                                                                                                         | VB WKM 2,5/15-3     | Z7.215.4327.0           |
|                                                   | up to 6 pole                                                                                                                                                                                                                                                                                                                                                   | VB WKM 2,5/15-6     | Z7.215.4627.0           |
|                                                   | 60 pole                                                                                                                                                                                                                                                                                                                                                        | VB WKM 2,5/15 M60   | Z7.215.4027.0           |
| Single cover f. cross conn. with marking facility |                                                                                                                                                                                                                                                                                                                                                                | AD VB 2,5/15 GELB   | 04.326.3053.8           |
| Partition plate with marking facility             |                                                                                                                                                                                                                                                                                                                                                                | TSM 2,5/15          | 07.311.2853.8           |

### WKM 4/15

- Feed-through block for mounting on TS 15
  - Nominal cross section 4 mm<sup>2</sup>
  - Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143
- <sup>a)</sup> with/without jumper



| Description                                       | Type                                                                                                                                                                                                                                                                                       | Part No.            | Std. Pack             |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| Feed-through block, gray                          | WKM 4/15                                                                                                                                                                                                                                                                                   | 55.504.1053.0       | 100                   |
| Feed-through block, blue                          | WKM 4/15 BLAU                                                                                                                                                                                                                                                                              | 55.504.1053.6       | 100                   |
| General data                                      |                                                                                                                                                                                                                                                                                            |                     |                       |
| Width / length / height, incl. TS 7.5             | 6 mm / 32 mm / 32 mm                                                                                                                                                                                                                                                                       |                     |                       |
| Wire strip length                                 | 9 mm                                                                                                                                                                                                                                                                                       |                     |                       |
| Approvals                                         |  ATEX LR   KEMA 02 ATEX 2114 U |                     |                       |
| Technical data                                    | IEC                                                                                                                                                                                                                                                                                        | UL                  | CSA                   |
|                                                   | EN 60 947-7-1                                                                                                                                                                                                                                                                              |                     | EN 60 079-0/-7        |
| Cross section fine-stranded                       | 0.5–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                      |                     | 0.5–4 mm <sup>2</sup> |
| Cross section solid/stranded                      | 0.5–6 mm <sup>2</sup>                                                                                                                                                                                                                                                                      |                     | 0.5–6 mm <sup>2</sup> |
| Cross section, AWG                                |                                                                                                                                                                                                                                                                                            | 22–10               | 20–10                 |
| Rated current                                     | 28 A                                                                                                                                                                                                                                                                                       | 30 A                | 37 A                  |
| Rated voltage                                     | 500 V                                                                                                                                                                                                                                                                                      | 600 V               | 600 V                 |
| Rated impulse voltage                             | 6 kV                                                                                                                                                                                                                                                                                       |                     | 275 V                 |
| Pollution degree                                  | 3                                                                                                                                                                                                                                                                                          |                     |                       |
| Accessories                                       |                                                                                                                                                                                                                                                                                            |                     |                       |
|                                                   | Type                                                                                                                                                                                                                                                                                       | Part No.            | Std. Pack             |
| End plate                                         | gray                                                                                                                                                                                                                                                                                       | APM 2,5 - 4/15      | 07.311.0853.0         |
|                                                   | blue                                                                                                                                                                                                                                                                                       | APM 2,5 - 4/15 BLAU | 07.311.0853.6         |
| Partition                                         | gray                                                                                                                                                                                                                                                                                       | TWM 2,5 - 4/15      | 07.311.1853.0         |
| Cross connector with screws,                      | 2 pole                                                                                                                                                                                                                                                                                     | IVB WK 4 E/U-2      | Z7.271.2227.0         |
| E-Cu                                              | 3 pole                                                                                                                                                                                                                                                                                     | IVB WK 4 E/U-3      | Z7.271.2327.0         |
|                                                   | up to 12 pole                                                                                                                                                                                                                                                                              | IVB WK 4 E/U-12     | Z7.271.3227.0         |
| Single cover f. cross conn. with marking facility |                                                                                                                                                                                                                                                                                            | AD VB 4/15 GELB     | 04.326.2953.8         |
| Partition plate with marking facility             |                                                                                                                                                                                                                                                                                            | TSM 4/15            | 07.311.2953.8         |

### WKM 4 SL/15

- Ground block for mounting on TS 15
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                            | Part No.      | Std. Pack                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKM 4 SL/15                                                                                                                                                                                                                                                                                     | 55.504.9153.0 | 100                                                                                       |
| General data                          |                                                                                                                                                                                                                                                                                                 |               |                                                                                           |
| Width / length / height, incl. TS 7.5 | 6 mm / 32 mm / 32 mm                                                                                                                                                                                                                                                                            |               |                                                                                           |
| Wire strip length                     | 9 mm                                                                                                                                                                                                                                                                                            |               |                                                                                           |
| Approvals                             |  ATEX LR  UL  CSA KEMA 02 ATEX 2114 U |               |                                                                                           |
| Technical data                        | IEC                                                                                                                                                                                                                                                                                             | UL            | CSA  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                                   |               | EN 60 079-0/-7                                                                            |
| Cross section fine-stranded           | 0.5–4 mm²                                                                                                                                                                                                                                                                                       |               | 0.5–4 mm²                                                                                 |
| Cross section solid/stranded          | 0.5–6 mm²                                                                                                                                                                                                                                                                                       |               | 0.5–6 mm²                                                                                 |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                 | 22–14         | 22–10                                                                                     |
| Rated current                         |                                                                                                                                                                                                                                                                                                 | 30 A          |                                                                                           |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                                           | 300 V         |                                                                                           |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                                            |               |                                                                                           |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                               |               |                                                                                           |
| Accessories                           |                                                                                                                                                                                                                                                                                                 |               |                                                                                           |
|                                       | Type                                                                                                                                                                                                                                                                                            | Part No.      | Std. Pack                                                                                 |
| End plate                             | APM 4 SL/15                                                                                                                                                                                                                                                                                     | 07.311.0753.0 | 10                                                                                        |

### WKM 2,5 F1/15

- Feed-through block with solder connection for mounting on TS 15
- Nominal cross section 2.5 mm<sup>2</sup>
- The terminal blocks of series WKM 2,5 F1/15 and WKM 2,5 F2/15 must be mounted alternately in order to maintain the required air and creepage distances for the indicated rated voltage.



| Description                                       | Type                         | Part No.      | Std. Pack  |
|---------------------------------------------------|------------------------------|---------------|------------|
| Feed-through block, gray                          | WKM 2,5 F1/15                | 55.503.1253.0 | 100        |
| <b>General data</b>                               |                              |               |            |
| Width / length / height, incl. TS 7.5             | 5 mm / 32 mm / 32 mm         |               |            |
| Wire strip length                                 | 9 mm                         |               |            |
| Approvals                                         | ①                            |               |            |
| <b>Technical data</b>                             | <b>IEC</b>                   | <b>UL</b>     | <b>CSA</b> |
|                                                   | EN 60 947-7-1                |               |            |
| Cross section fine-stranded                       | 0.5–2.5 mm <sup>2</sup>      |               |            |
| Cross section solid/stranded                      | 0.5–4 mm <sup>2</sup>        |               |            |
| Cross section, AWG                                |                              |               |            |
| Rated current                                     | 24 A                         |               |            |
| Rated voltage                                     | 500 V                        |               |            |
| Rated impulse voltage                             | 6 kV                         |               |            |
| Pollution degree                                  | 3                            |               |            |
| <b>Accessories</b>                                |                              |               |            |
| End plate                                         | gray APM 2,5 F./15           | 07.311.0653.0 | 10         |
| Cross connector with screws,                      | 2 pole VB WKM 2,5/15-2       | Z7.215.4227.0 | 50         |
| E-Cu                                              | 3 pole VB WKM 2,5/15-3       | Z7.215.4327.0 | 50         |
|                                                   | up to 6 pole VB WKM 2,5/15-6 | Z7.215.4627.0 | 50         |
|                                                   | 60 pole VB WKM 2,5/15 M60    | Z7.215.4027.0 | 10         |
| Single cover f. cross conn. with marking facility | AD VB 2,5/15 GELB            | 04.326.3053.8 | 10         |
| Partition plate with marking facility yellow      | TSM 2,5/15                   | 07.311.2853.8 | 10         |

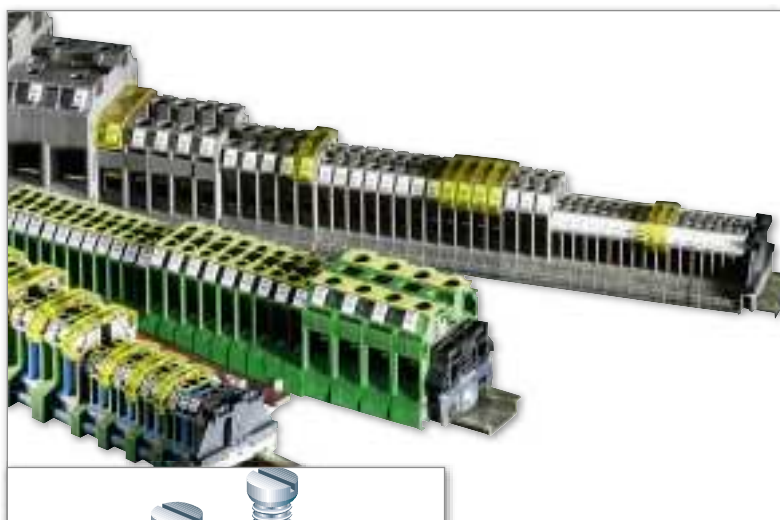
### WKM 2,5 F2/15

- Feed-through block solder connection for mounting on TS 15
- Nominal cross section 2.5 mm<sup>2</sup>
- The terminal blocks of series WKM 2,5 F1/15 and WKM 2,5 F2/15 must be mounted alternately in order to maintain the required air and creepage distances for the indicated rated voltage.



| Description                                       | Type                         | Part No.      | Std. Pack  |
|---------------------------------------------------|------------------------------|---------------|------------|
| Feed-through block, gray                          | WKM 2,5 F2/15                | 55.503.1353.0 | 100        |
| <b>General data</b>                               |                              |               |            |
| Width / length / height, incl. TS 7.5             | 5 mm / 32 mm / 32 mm         |               |            |
| Wire strip length                                 | 9 mm                         |               |            |
| Approvals                                         |                              |               |            |
| <b>Technical data</b>                             | <b>IEC</b>                   | <b>UL</b>     | <b>CSA</b> |
|                                                   | EN 60 947-7-1                |               |            |
| Cross section fine-stranded                       | 0.5–2.5 mm <sup>2</sup>      |               |            |
| Cross section solid/stranded                      | 0.5–4 mm <sup>2</sup>        |               |            |
| Cross section, AWG                                |                              |               |            |
| Rated current                                     | 24 A                         |               |            |
| Rated voltage                                     | 500 V                        |               |            |
| Rated impulse voltage                             | 6 kV                         |               |            |
| Pollution degree                                  | 3                            |               |            |
| <b>Accessories</b>                                |                              |               |            |
| End plate                                         | gray APM 2,5 F./15           | 07.311.0653.0 | 10         |
| Cross connector with screws,                      | 2 pole VB WKM 2,5/15-2       | Z7.215.4227.0 | 50         |
| E-Cu                                              | 3 pole VB WKM 2,5/15-3       | Z7.215.4327.0 | 50         |
|                                                   | up to 6 pole VB WKM 2,5/15-6 | Z7.215.4627.0 | 50         |
|                                                   | 60 pole VB WKM 2,5/15 M60    | Z7.215.4027.0 | 10         |
| Single cover f. cross conn. with marking facility | AD VB 2,5/15 GELB            | 04.326.3053.8 | 10         |
| Partition plate with marking facility yellow      | TSM 2,5/15                   | 07.311.2853.8 | 10         |

## DIN rail terminal blocks with screw connection, type 9700 A.. S35



### High-quality screw connection technology

### DIN rail terminal blocks with screw connection – **selos** CLASSIC

The **selos** CLASSIC series offers the highest-quality connecting technology. Thanks to its unique clamping body design, aluminum or copper wire connections are long lasting and maintenance-free.

The product line includes feed-through and ground blocks for wires up to 50 mm<sup>2</sup>.

- Steel free clamping body
  - Increased corrosion resistance
  - Extruded clamping body, nickel-plated brass
- Low contact resistance
  - Clamping body has similar physical and chemical characteristics as the conductor
  - One piece clamping body/current bar

### Connection of aluminum wires possible

The following always applies when connecting aluminium wires in the **selos** CLASSIC LINE:

- After being stripped, the ends of the wires must be cleaned with a brush and then coated with acid-free grease to prevent further oxidation.
- The terminal should be tightened to approx. 20% higher torque than what is stated for the clamping screw.

With this type of terminal, it is not necessary to retighten the clamping screws.

### Wide connection range

- Connection range 0.5 – 50 mm<sup>2</sup>  
Solid, fine-stranded and stranded wires can be connected to the terminal blocks of **selos** CLASSIC LINE without ferrules, as all block sizes have wire protection.

### Compact design

- **Save space on the rail**  
– **selos** CLASSIC LINE offers higher density due to the wire size and terminal block pitch:

| Connection range    | Pitch |
|---------------------|-------|
| 2,5 mm <sup>2</sup> | 5 mm  |
| 4 mm <sup>2</sup>   | 6 mm  |
| 10 mm <sup>2</sup>  | 8 mm  |
| 16 mm <sup>2</sup>  | 10 mm |
| 25 mm <sup>2</sup>  | 12 mm |
| 35 mm <sup>2</sup>  | 16 mm |



## Feed-through blocks with screw connection, type 9700 A.. S35

### 9700 A/5 S35

- Feed-through block for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                                | Type                      | Part No.      | Std. Pack            |
|--------------------------------------------|---------------------------|---------------|----------------------|
| Feed-through block, gray                   | 9700 A/5 S35              | 54.003.7553.0 | 100                  |
| Feed-through block, (Ex)i, blue            | 9700 A/5 S35 BLAU         | 54.003.7553.6 | 100                  |
| <b>General data</b>                        |                           |               |                      |
| Width / length / height, incl. TS 7.5      | 5 mm / 47 mm / 38 mm      |               |                      |
| Wire strip length                          | 9 mm                      |               |                      |
| Approvals                                  |                           |               |                      |
| <b>Technical data</b>                      |                           | <b>IEC</b>    | <b>UL</b> <b>CSA</b> |
| Ratings for use of insulating sleeves      | EN 60 947-7-1             |               |                      |
| Cross section fine-stranded                | 0.5 – 2.5 mm <sup>2</sup> |               |                      |
| Cross section solid/stranded               | 0.5 – 4 mm <sup>2</sup>   |               |                      |
| Cross section, AWG                         |                           | 18 – 12       | 22 – 12              |
| Rated current                              | 24 A                      | 20/30 A       | 25 A                 |
| Rated voltage                              | 800 V                     | 600 V         | 600 V                |
| Rated impulse voltage                      | 8 kV                      |               |                      |
| Pollution degree                           | 3                         |               |                      |
| <b>Accessories</b>                         |                           |               |                      |
| End plate, gray                            | 9701/6                    | 07.310.3153.0 | 10                   |
| Partition, gray                            | 9702/6                    | 07.310.3453.0 | 10                   |
| Cross connector with screws, 2 pole        | 9703/5-2                  | Z7.215.0227.0 | 50                   |
| E-Cu, uninsulated 3 pole                   | 9703/5-3                  | Z7.215.0327.0 | 50                   |
| 4 pole                                     | 9703/5-4                  | Z7.215.0427.0 | 50                   |
| 5 pole                                     | 9703/5-5                  | Z7.215.0527.0 | 50                   |
| 6 pole                                     | 9703/5-6                  | Z7.215.0627.0 | 50                   |
| Cut-to-order strip 0,6 m long              | 9703/5-M                  | Z7.215.0027.0 | 10                   |
| 2-pole switchable jumper                   |                           | Z7.269.3523.0 | 50                   |
| Adapter for test plug                      | 9011 D                    | 05.508.8921.0 | 10                   |
| Cover with warn. symbol for 1 block yellow |                           | 04.325.1656.0 | 10                   |

### 9700 A/6 S35

- Feed-through block for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                                | Type                    | Part No.      | Std. Pack            |
|--------------------------------------------|-------------------------|---------------|----------------------|
| Feed-through block, gray                   | 9700 A/6 S35            | 54.004.7553.0 | 100                  |
| Feed-through block, (Ex)i, blue            | 9700 A/6 S35 BLAU       | 54.004.7553.6 | 100                  |
| <b>General data</b>                        |                         |               |                      |
| Width / length / height, incl. TS 7.5      | 6 mm / 47 mm / 38 mm    |               |                      |
| Wire strip length                          | 9 mm                    |               |                      |
| Approvals                                  |                         |               |                      |
| <b>Technical data</b>                      |                         | <b>IEC</b>    | <b>UL</b> <b>CSA</b> |
| Ratings for use of insulating sleeves      | EN 60 947-7-1           |               |                      |
| Cross section fine-stranded                | 0.5 – 4 mm <sup>2</sup> |               |                      |
| Cross section solid/stranded               | 0.5 – 6 mm <sup>2</sup> |               |                      |
| Cross section, AWG                         |                         | 18 – 10       | 22 – 10              |
| Rated current                              | 32 A                    | 30/30 A       | 35 A                 |
| Rated voltage                              | 800 V                   | 600 V         | 600 V                |
| Rated impulse voltage                      | 8 kV                    |               |                      |
| Pollution degree                           | 3                       |               |                      |
| <b>Accessories</b>                         |                         |               |                      |
| End plate, gray                            | 9701/6                  | 07.310.3153.0 | 10                   |
| Partition, gray                            | 9702/6                  | 07.310.3453.0 | 10                   |
| Cross connector with screws, 2 pole        | 9703/6-2                | Z7.211.0227.0 | 50                   |
| E-Cu, uninsulated 3 pole                   | 9703/6-3                | Z7.211.0327.0 | 50                   |
| 4 pole                                     | 9703/6-4                | Z7.211.0427.0 | 50                   |
| 5 pole                                     | 9703/6-5                | Z7.211.0527.0 | 50                   |
| 6 pole                                     | 9703/6-6                | Z7.211.0627.0 | 50                   |
| Cut-to-order strip 0,6 m long              | 9703/6-M                | Z7.211.0027.0 | 10                   |
| 2-pole switchable jumper                   |                         | Z7.269.2923.0 | 50                   |
| Adapter for test plug                      | 9011 C                  | 05.508.8821.0 | 10                   |
| Cover with warn. symbol for 1 block yellow |                         | 04.325.1056.0 | 10                   |

## Feed-through blocks with screw connection, type 9700 A.. S35

### 9700 A/8 S35

- Feed-through block for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Feed-through block, gray              | 9700 A/8 S 35          | 54.010.7553.0 | 100        |
| Feed-through block, (Ex)i, blue       | 9700 A/8 S 35 BLAU     | 54.010.7553.6 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 8 mm / 47 mm / 48 mm   |               |            |
| Wire strip length                     | 12 mm                  |               |            |
| Approvals                             |                        |               |            |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1          |               |            |
| Cross section fine-stranded           | 1 – 10 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 1 – 10 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 18–8          | 18–8       |
| Rated current                         | 57 A                   | 50/50 A       | 55 A       |
| Rated voltage                         | 800 V                  | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
| End plate                             | gray 9701/8            | 07.310.3253.0 | 10         |
| Partition                             | gray 9702/8            | 07.310.3553.0 | 10         |
| Cross connector with screws, 2 pole   | 9703/8-2               | Z7.212.0227.0 | 50         |
| E-Cu, uninsulated 3 pole              | 9703/8-3               | Z7.212.0327.0 | 50         |
| 4 pole                                | 9703/8-4               | Z7.212.0427.0 | 50         |
| 5 pole                                | 9703/8-5               | Z7.212.0527.0 | 50         |
| 6 pole                                | 9703/8-6               | Z7.212.0627.0 | 50         |
| 2-pole switchable jumper              |                        | Z7.269.3023.0 | 50         |
| Adapter for test plug                 | 9011 B                 | 05.508.3221.0 | 10         |
| Cover with warn. symbol for 1 block   | yellow                 | 04.325.1156.0 | 10         |
| Rapid mounting tool                   |                        | 05.593.5953.0 | 10         |

### 9700 A/10 S35

- Feed-through block for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Feed-through block, gray              | 9700 A/10 S 35           | 54.016.7553.0 | 100        |
| Feed-through block, (Ex)i, blue       | 9700 A/10 S 35 BLAU      | 54.016.7553.6 | 100        |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 10 mm / 49 mm / 51 mm    |               |            |
| Wire strip length                     | 15 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1            |               |            |
| Cross section fine-stranded           | 1.5 – 16 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 1.5 – 16 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          | 18–6          | 18–6       |
| Rated current                         | 76 A                     | 65/70 A       | 70 A       |
| Rated voltage                         | 800 V                    | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |
| <b>Accessories</b>                    |                          |               |            |
| End plate                             | gray 9701/10             | 07.310.3953.0 | 10         |
| Partition                             | gray 9702/10             | 07.310.4053.0 | 10         |
| Cross connector with screws, 2 pole   | 9703/10-2                | Z7.214.0227.0 | 50         |
| E-Cu, uninsulated 3 pole              | 9703/10-3                | Z7.214.0327.0 | 50         |
| 4 pole                                | 9703/10-4                | Z7.214.0427.0 | 50         |
| 5 pole                                | 9703/10-5                | Z7.214.0527.0 | 50         |
| 6 pole                                | 9703/10-6                | Z7.214.0627.0 | 50         |
| 2-pole switchable jumper              |                          | Z7.269.3123.0 | 50         |
| Adapter for test plug                 | 9011 A                   | 05.508.3121.0 | 10         |
| Cover with warn. symbol for 1 block   | yellow                   | 04.325.1256.0 | 10         |

**9700 A/12 S35**

- Feed-through block for mounting on TS 35
- Nominal cross section 25 mm<sup>2</sup>



| Description                                    | Type                     | Part No.      | Std. Pack  |
|------------------------------------------------|--------------------------|---------------|------------|
| Feed-through block, gray                       | 9700 A/12 S 35           | 54.025.7553.0 | 50         |
| Feed-through block, (Ex)i, blue                | 9700 A/12 S 35 BLAU      | 54.025.7553.6 | 50         |
| <b>General data</b>                            |                          |               |            |
| Width / length / height, incl. TS 7.5          | 12 mm / 59 mm / 58 mm    |               |            |
| Wire strip length                              | 20 mm                    |               |            |
| Approvals                                      |                          |               |            |
| <b>Technical data</b>                          | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                                | EN 60 947-7-1            |               |            |
| Cross section fine-stranded                    | 2.5 – 25 mm <sup>2</sup> |               |            |
| Cross section solid/stranded                   | 2.5 – 35 mm <sup>2</sup> |               |            |
| Cross section, AWG                             |                          | 14–4          | 14–4       |
| Rated current                                  | 101 A                    | 85/100 A      | 100 A      |
| Rated voltage                                  | 800 V                    | 600 V         | 600 V      |
| Rated impulse voltage                          | 8 kV                     |               |            |
| Pollution degree                               | 3                        |               |            |
| <b>Accessories</b>                             |                          |               |            |
| End plate                                      | gray 9701/12             | 07.310.3353.0 | 10         |
| Partition                                      | gray 9702/12             | 07.310.3653.0 | 10         |
| Cross connector with screws, E-Cu, uninsulated | 2 pole 9703/12-2         | Z7.213.0227.0 | 50         |
|                                                | 3 pole 9703/12-3         | Z7.213.0327.0 | 50         |
|                                                | 4 pole 9703/12-4         | Z7.213.0427.0 | 50         |
|                                                | 5 pole 9703/12-5         | Z7.213.0527.0 | 50         |
|                                                | 6 pole 9703/12-6         | Z7.213.0627.0 | 50         |
| 2-pole switchable jumper                       |                          | Z7.269.3223.0 | 50         |
| Adapter for test plug                          |                          | 05.508.6521.0 | 10         |
| Cover with warn. symbol for 1 block            | yellow                   | 04.325.1356.0 | 10         |

**9700 A/16 S35**

- Feed-through block for mounting on TS 35
- Nominal cross section 35 mm<sup>2</sup>



| Description                                    | Type                     | Part No.      | Std. Pack  |
|------------------------------------------------|--------------------------|---------------|------------|
| Feed-through block, gray                       | 9700 A/16 S 35           | 54.035.7553.0 | 50         |
| Feed-through block, (Ex)i, blue                | 9700 A/16 S 35 BLAU      | 54.035.7553.6 | 50         |
| <b>General data</b>                            |                          |               |            |
| Width / length / height, incl. TS 7.5          | 16 mm / 59 mm / 58 mm    |               |            |
| Wire strip length                              | 20 mm                    |               |            |
| Approvals                                      |                          |               |            |
| <b>Technical data</b>                          | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                                | EN 60 947-7-1            |               |            |
| Cross section fine-stranded                    | 2,5 – 35 mm <sup>2</sup> |               |            |
| Cross section solid/stranded                   | 2,5 – 50 mm <sup>2</sup> |               |            |
| Cross section, AWG                             |                          | 6–2           | 12–2       |
| Rated current                                  | 125 A                    | 115/130 A     | 125 A      |
| Rated voltage                                  | 800 V                    | 600 V         | 600 V      |
| Rated impulse voltage                          | 8 kV                     |               |            |
| Pollution degree                               | 3                        |               |            |
| <b>Accessories</b>                             |                          |               |            |
| End plate                                      | gray 9701/12             | 07.310.3353.0 | 10         |
| Partition                                      | gray 9702/12             | 07.310.3653.0 | 10         |
| Cross connector with screws, E-Cu, uninsulated | 2 pole 9703/16-2         | Z7.216.0227.0 | 50         |
|                                                | 3 pole 9703/16-3         | Z7.216.0327.0 | 50         |
|                                                | 4 pole 9703/16-4         | Z7.216.0427.0 | 50         |
|                                                | 5 pole 9703/16-5         | Z7.216.0527.0 | 50         |
|                                                | 6 pole 9703/16-6         | Z7.216.0627.0 | 50         |
| 2-pole switchable jumper                       |                          | Z7.269.3423.0 | 50         |
| Adapter for test plug                          |                          | 05.508.6521.0 | 10         |
| Cover with warn. symbol for 1 block            | yellow                   | 04.325.1456.0 | 10         |

## Ground blocks with screw connection, Typ 9700 A.. S35

### 9700 A/6 SL2 S35

- Ground block for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                    | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------|---------------|------------|
| Ground block, green-yellow            | 9700 A/6 SL 2 S 35      | 56.004.9053.0 | 100        |
| <b>General data</b>                   |                         |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 48 mm / 38 mm    |               |            |
| Wire strip length                     | 9 mm                    |               |            |
| Approvals                             |                         |               |            |
| <b>Technical data</b>                 | <b>IEC</b>              | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2           |               |            |
| Cross section fine-stranded           | 0.5 – 4 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.5 – 6 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                         | 18–10         | 22–10      |
| Rated current                         |                         |               |            |
| Rated voltage                         | 800 V                   | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                    |               |            |
| Pollution degree                      | 3                       |               |            |
| <b>Accessories</b>                    |                         |               |            |
|                                       | Type                    | Part No.      | Std. Pack  |
| End plate, green                      | 9701/6 SL               | 07.312.0053.0 | 10         |

### 9700 A/8 SL2 S35

- Ground block for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Ground block, green-yellow            | 9700 A/8 SL 2 S 35       | 56.010.9053.0 | 100        |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 8 mm / 53 mm / 48 mm     |               |            |
| Wire strip length                     | 11 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2            |               |            |
| Cross section fine-stranded           | 0.5 – 10 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.5 – 10 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          | 18–8          | 18–8       |
| Rated current                         |                          |               |            |
| Rated voltage                         | 800 V                    | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |
| <b>Accessories</b>                    |                          |               |            |
|                                       | Type                     | Part No.      | Std. Pack  |
| End plate, green                      | 9701/8 SL                | 07.312.0153.0 | 10         |

### 9700 A/10 SL2 S35

- Ground block for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Ground block, green-yellow            | 9700 A/10 SL 2 S 35      | 56.016.9053.0 | 50         |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 10 mm / 53 mm / 51 mm    |               |            |
| Wire strip length                     | 16 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2            |               |            |
| Cross section fine-stranded           | 1.5 – 16 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 1.5 – 16 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          | 18–6          | 16–6       |
| Rated current                         |                          |               |            |
| Rated voltage                         | 800 V                    | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |
| <b>Accessories</b>                    |                          |               |            |
|                                       | Type                     | Part No.      | Std. Pack  |
| End plate, green                      | 9701/10 SL               | 07.312.0253.0 | 10         |

## 9700 A/16 SL2 S35

- Ground block for mounting on TS 35
- Nominal cross section 35 mm<sup>2</sup>



| Description                           | Type                     | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|---------------|------------|
| Ground block, green-yellow            | 9700 A/16 SL 2 S 35      | 56.035.9053.0 | 50         |
| <b>General data</b>                   |                          |               |            |
| Width / length / height, incl. TS 7.5 | 16 mm / 53 mm / 58 mm    |               |            |
| Wire strip length                     | 18 mm                    |               |            |
| Approvals                             |                          |               |            |
| <b>Technical data</b>                 | <b>IEC</b>               | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2            |               |            |
| Cross section fine-stranded           | 2.5 – 35 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 2.5 – 50 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          | 12–2          | 12–2       |
| Rated current                         |                          |               |            |
| Rated voltage                         | 800 V                    | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                     |               |            |
| Pollution degree                      | 3                        |               |            |
| <b>Accessories</b>                    |                          |               |            |
|                                       | Type                     | Part No.      | Std. Pack  |
| End plate, green                      | 9701/16 SL               | 07.312.0353.0 | 10         |



## **fasis** WKFN – DIN Rail Terminal Blocks with **Tension Spring Connection**

The DIN rail terminal block with tension spring technology:

**fasis** WKFN is easy to operate, saves time and costs during wiring and reduces inventory costs, and guarantees vibration-proof and maintenance-free connections with high contact forces.

The product line includes feed-through and ground blocks with 2, 3 or 4 termination point as well as multi-tier blocks in two- and three-tier designs, knife-edge disconnect blocks in one- and two-tier designs and fuse blocks. In addition, specialty function blocks are available with application-specific diode circuits.

**fasis** WKFN has been designed for use in machinery and plant construction as well as hazardous locations subject to explosion.

Connection cross-sections up to 35 mm<sup>2</sup>

Rated current of up to 125 A

Rated voltage of up to 1000 V



## DIN rail terminal blocks with tension spring connection

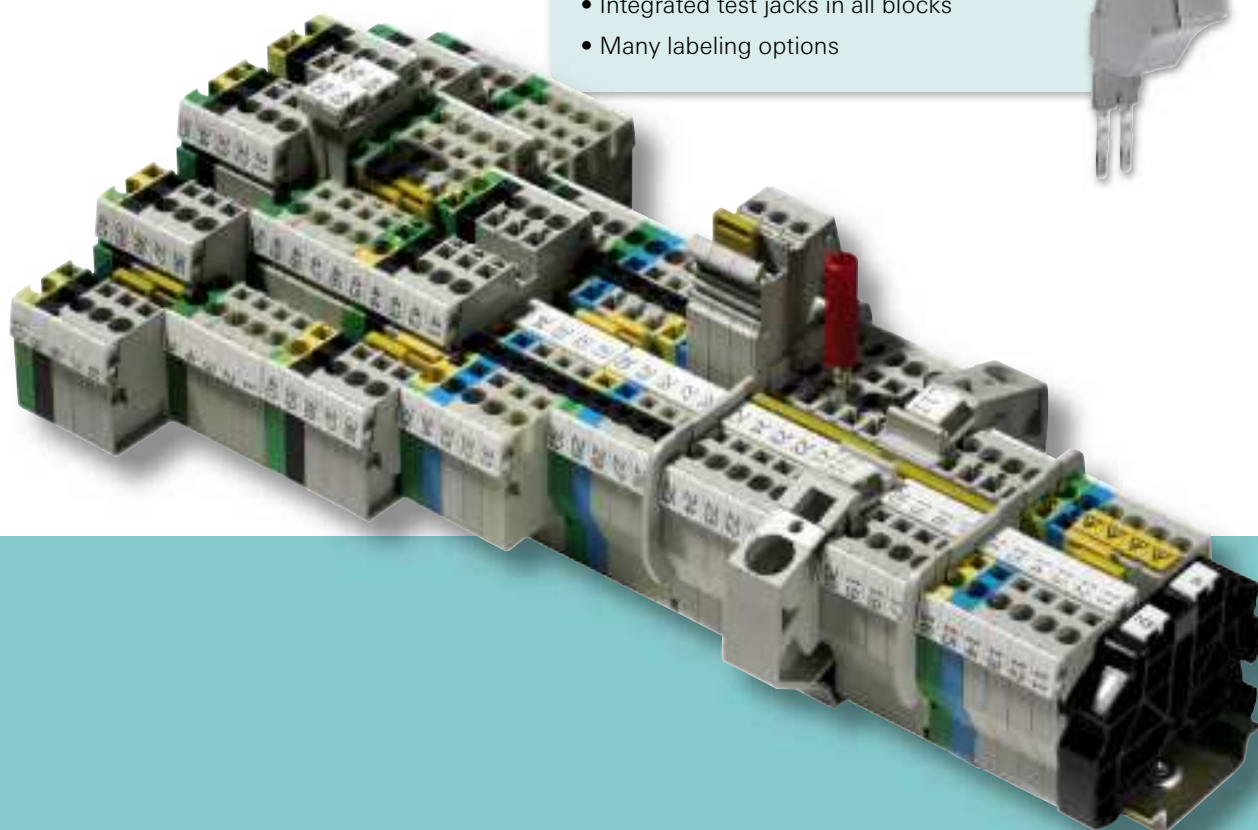
### The terminals

- Secure and maintenance-free tension spring connection
- High quality, dynamic contact technology with steel spring and copper current carrying bar
- Easy to wire front connection
- Connection of fine-stranded wires with and without wire ferrules
- Simple operation with a standard screwdriver
- Screwdriver is held securely in the terminal for optimal handling while connecting wires

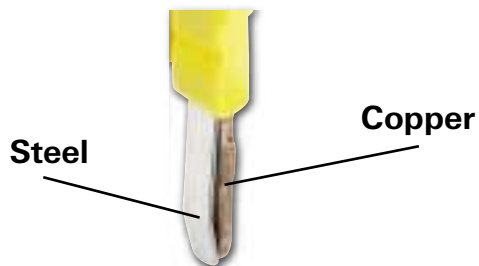
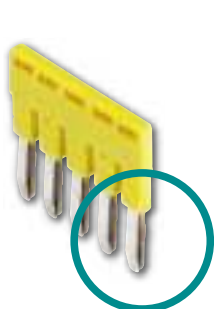


### The system

- Compact design for wiring in confined spaces (to 35 mm<sup>2</sup>)
- Plug-in system provides a Plug & Play solution in the control cabinet – **fasis** CON
- Plug-in jumper bars
- Screwless, snap-on ground terminal
- Function check via modular test adapter through test point in the jumpering channel
- Integrated test jacks in all blocks
- Many labeling options



## Wieland jumpering system – Perfect technology



### Perfect technology

- Copper current bar guarantees low contact resistance
- Steel spring guarantees strength, durability, and long-term stability

### Extremely rugged!

- Indestructible steel spring
- Vibration-proof connection



### Simple customization

- Individual poles easy to remove
- Circuits easy to identify



## Wieland marking system – Reliable identification

### Marking strips – Dependable

- Maximum hold to the terminal
- Solidify integrity of the assembly



### Marking tags – Individual

- Individual labeling with minimum effort
- Ideal for service and maintenance



## The accessories



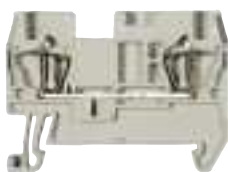
- Wire entry guide strips for secure connection of wires smaller than 1 mm<sup>2</sup>
- Snap-on covers with warning symbols
- Wieland screwdriver for optimal operation of spring tension terminals



## Feed-through blocks with tension spring connection

### WKF 1,5/35

- Feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                        | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKF 1,5/35                                                                                                  | 56.702.0053.0 | 50                                                                                             |
| Feed-through block, blue              | WKF 1,5/35 BLAU                                                                                             | 56.702.0053.6 | 50                                                                                             |
| <b>General data</b>                   |                                                                                                             |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 4 mm / 49 mm / 37 mm                                                                                        |               |                                                                                                |
| Wire strip length                     | 10 mm                                                                                                       |               |                                                                                                |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                  | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-1                                                                                               |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.08–1.5 mm <sup>2</sup>                                                                                    |               | 0.14–1.5 mm <sup>2</sup>                                                                       |
| Cross section solid/stranded          | 0.08–1.5 mm <sup>2</sup>                                                                                    |               | 0.14–1.5 mm <sup>2</sup>                                                                       |
| Cross section, AWG                    |                                                                                                             | 26–14         | 26–14                                                                                          |
| Rated current                         | 17.5 A                                                                                                      | 15 A          | 15 A                                                                                           |
| Rated voltage                         | 500 V                                                                                                       | 300 V         | 300 V                                                                                          |
| Rated impulse voltage                 | 6 kV                                                                                                        |               | 440 V <sup>*)</sup>                                                                            |
| Pollution degree                      | 3                                                                                                           |               |                                                                                                |
| <b>Accessories</b>                    |                                                                                                             |               |                                                                                                |
|                                       | Type                                                                                                        | Part No.      | Std. Pack                                                                                      |
| End plate, gray                       | APF 1,5                                                                                                     | 07.312.8153.0 | 10                                                                                             |
| Partition, gray                       | TWF 1,5                                                                                                     | 07.312.8253.0 | 10                                                                                             |

### WKF 1,5 D1/2/35

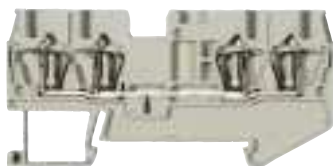
- Duo feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                          | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKF 1,5 D1/2/35                                                                                               | 56.702.5053.0 | 50                                                                                               |
| Feed-through block, blue              | WKF 1,5 D1/2/35 BLAU                                                                                          | 56.702.5053.6 | 50                                                                                               |
| <b>General data</b>                   |                                                                                                               |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 4 mm / 60 mm / 37 mm                                                                                          |               |                                                                                                  |
| Wire strip length                     | 10 mm                                                                                                         |               |                                                                                                  |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                    | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-1                                                                                                 |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.08–1.5 mm <sup>2</sup>                                                                                      |               | 0.14–1.5 mm <sup>2</sup>                                                                         |
| Cross section solid/stranded          | 0.08–1.5 mm <sup>2</sup>                                                                                      |               | 0.14–1.5 mm <sup>2</sup>                                                                         |
| Cross section, AWG                    |                                                                                                               | 26–14         | 26–14                                                                                            |
| Rated current                         | 17.5 A                                                                                                        | 15 A          | 15 A                                                                                             |
| Rated voltage                         | 500 V                                                                                                         | 300 V         | 300 V                                                                                            |
| Rated impulse voltage                 | 6 kV                                                                                                          |               | 440 V <sup>*)</sup>                                                                              |
| Pollution degree                      | 3                                                                                                             |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                               |               |                                                                                                  |
|                                       | Type                                                                                                          | Part No.      | Std. Pack                                                                                        |
| End plate, gray                       | APF 1,5 D1/2                                                                                                  | 07.312.8353.0 | 10                                                                                               |
| Segment end plate, gray               | SAPF 1,5                                                                                                      | 07.312.8953.0 | 10                                                                                               |
| Partition, gray                       | TWF 1,5 D1/2                                                                                                  | 07.312.8453.0 | 10                                                                                               |

### WKF 1,5 D2/2/35

- Duo feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                          | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKF 1,5 D2/2/35                                                                                               | 56.702.5153.0 | 50                                                                                               |
| Feed-through block, blue              | WKF 1,5 D2/2/35 BLAU                                                                                          | 56.702.5153.6 | 50                                                                                               |
| <b>General data</b>                   |                                                                                                               |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 4 mm / 72 mm / 37 mm                                                                                          |               |                                                                                                  |
| Wire strip length                     | 10 mm                                                                                                         |               |                                                                                                  |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                    | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-1                                                                                                 |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.08–1.5 mm <sup>2</sup>                                                                                      |               | 0.14–1.5 mm <sup>2</sup>                                                                         |
| Cross section solid/stranded          | 0.08–1.5 mm <sup>2</sup>                                                                                      |               | 0.14–1.5 mm <sup>2</sup>                                                                         |
| Cross section, AWG                    |                                                                                                               | 26–14         | 26–14                                                                                            |
| Rated current                         | 17.5 A                                                                                                        | 15 A          | 15 A                                                                                             |
| Rated voltage                         | 500 V                                                                                                         | 300 V         | 300 V                                                                                            |
| Rated impulse voltage                 | 6 kV                                                                                                          |               | 440 V <sup>*)</sup>                                                                              |
| Pollution degree                      | 3                                                                                                             |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                               |               |                                                                                                  |
|                                       | Type                                                                                                          | Part No.      | Std. Pack                                                                                        |
| End plate, gray                       | APF 1,5 D2/2                                                                                                  | 07.312.8553.0 | 10                                                                                               |
| Segment end plate, gray               | SAPF 1,5                                                                                                      | 07.312.8953.0 | 10                                                                                               |
| Partition, gray                       | TWF 1,5 D2/2                                                                                                  | 07.312.8653.0 | 10                                                                                               |

## Accessories for *fasis* WKF 1,5...

## Accessories

|                                         |                          | Type               | Part No.      | Std. Pack |
|-----------------------------------------|--------------------------|--------------------|---------------|-----------|
| Cross connector, insulated              | 2 pole                   | IVB WKF 1,5-2      | Z7.268.0227.0 | 10        |
|                                         | 3 pole                   | IVB WKF 1,5-3      | Z7.268.0327.0 | 10        |
|                                         | 4 pole                   | IVB WKF 1,5-4      | Z7.268.0427.0 | 10        |
|                                         | 5 pole                   | IVB WKF 1,5-5      | Z7.268.0527.0 | 10        |
|                                         | 10 pole                  | IVB WKF 1,5-10     | Z7.268.1027.0 | 10        |
|                                         | 20 pole                  | IVB WKF 1,5-20     | Z7.268.2027.0 | 10        |
| Wire entry guide                        | 0.13-0.2 mm <sup>2</sup> | LEL 1,5/1 WEISS    | 05.564.4253.0 | 10        |
|                                         | 0.25-0.5 mm <sup>2</sup> | LEL 1,5/2 GRAU     | 05.564.4353.0 | 10        |
| Cover with warning symbol over 5 blocks |                          | ADF 1,5/5 GELB     | 04.343.6953.8 | 10        |
| Screwdriver, uninsulated                |                          | DIN 5264 B 0,4x2,5 | 06.502.4300.0 | 5         |

\*1 For maintaining the proper isolation distances, the open side of a feed-through terminal block as well as both sides of a jumper are to be covered by partitions.

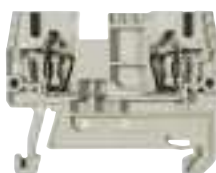
\*3 Rated current when using cross connectors

\*<sup>1</sup> For maintaining the proper isolation distances, the open side of a feed-through terminal block as well as both sides of a jumper are to be covered by partitions.  
<sup>3</sup> Rated current when using cross connectors

## Feed-through blocks with tension spring connection

### WKFN 2,5/35

- Feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                              | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKFN 2,5/35                                                                                                                                                                                                                                                                                                                                                       | 56.703.0055.0 | 100                                                                                            |
| Feed-through block, blue              | WKFN 2,5/35 BLAU                                                                                                                                                                                                                                                                                                                                                  | 56.703.0055.6 | 100                                                                                            |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 5 mm / 47 mm / 38 mm                                                                                                                                                                                                                                                                                                                                              |               |                                                                                                |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                             |               |                                                                                                |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                        | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-1-1                                                                                                                                                                                                                                                                                                                                                     |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                          |               | 0.2–2.5 mm <sup>2</sup>                                                                        |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                            |               | 0.13–4 mm <sup>2</sup>                                                                         |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                   | 22–12         | 24–12                                                                                          |
| Rated current                         | 24 A                                                                                                                                                                                                                                                                                                                                                              | 20 A          | 24 A                                                                                           |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                                                                                                             | 600 V         | 600 V                                                                                          |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                                                                                              |               | 550 V                                                                                          |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                |
| <b>Note</b>                           |                                                                                                                                                                                                                                                                                                                                                                   |               | <sup>1)</sup> for 40 K and 45 K                                                                |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                                |
| End plate, gray                       | APFN 2,5                                                                                                                                                                                                                                                                                                                                                          | 07.312.6755.0 | 10                                                                                             |
| End plate, blue                       | APFN 2,5 BLAU                                                                                                                                                                                                                                                                                                                                                     | 07.312.6755.6 | 10                                                                                             |
| Partition, gray                       | TWFN 2,5                                                                                                                                                                                                                                                                                                                                                          | 07.312.6855.0 | 10                                                                                             |

### WKFN 2,5 D1/2/35

- Duo feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                      | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKFN 2,5 D1/2/35                                                                                                                                                                                                                                                                                                                                                          | 56.703.5055.0 | 100                                                                                              |
| Feed-through block, blue              | WKFN 2,5 D1/2/35 BLAU                                                                                                                                                                                                                                                                                                                                                     | 56.703.5055.6 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 5 mm / 60 mm / 38 mm                                                                                                                                                                                                                                                                                                                                                      |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                     |               |                                                                                                  |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                                | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-1-1                                                                                                                                                                                                                                                                                                                                                             |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                  |               | 0.2–2.5 mm <sup>2</sup>                                                                          |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                           | 22–12         | 24–12                                                                                            |
| Rated current                         | 24 A                                                                                                                                                                                                                                                                                                                                                                      | 20 A          | 24 A                                                                                             |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                                                                                                                     | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                                                                                                      |               | 550 V                                                                                            |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                                  |
| <b>Note</b>                           |                                                                                                                                                                                                                                                                                                                                                                           |               | <sup>1)</sup> for 40 K and 45 K                                                                  |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                                  |
| End plate, gray                       | APFN 2,5 D1/2                                                                                                                                                                                                                                                                                                                                                             | 07.312.6955.0 | 10                                                                                               |
| End plate, blue                       | APFN 2,5 D1/2 BLAU                                                                                                                                                                                                                                                                                                                                                        | 07.312.6955.6 | 10                                                                                               |
| Partition, gray                       | TWFN 2,5 D1/2                                                                                                                                                                                                                                                                                                                                                             | 07.312.7055.0 | 10                                                                                               |

### WKFN 2,5 D2/2/35

- Duo feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                      | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKFN 2,5 D2/2/35                                                                                                                                                                                                                                                                                                                                                          | 56.703.5155.0 | 100                                                                                              |
| Feed-through block, blue              | WKFN 2,5 D2/2/35 BLAU                                                                                                                                                                                                                                                                                                                                                     | 56.703.5155.6 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 5 mm / 72 mm / 38 mm                                                                                                                                                                                                                                                                                                                                                      |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                     |               |                                                                                                  |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                                | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-1-1                                                                                                                                                                                                                                                                                                                                                             |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                  |               | 0.2–2.5 mm <sup>2</sup>                                                                          |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                           | 22–12         | 24–12                                                                                            |
| Rated current                         | 24 A                                                                                                                                                                                                                                                                                                                                                                      | 20 A          | 24 A                                                                                             |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                                                                                                                     | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                                                                                                      |               | 550 V                                                                                            |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                                  |
| <b>Note</b>                           |                                                                                                                                                                                                                                                                                                                                                                           |               | <sup>1)</sup> for 40 K and 45 K                                                                  |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                                  |
| End plate, gray                       | APFN 2,5 D2/2                                                                                                                                                                                                                                                                                                                                                             | 07.312.7155.0 | 10                                                                                               |
| End plate, blue                       | APFN 2,5 D2/2 BLAU                                                                                                                                                                                                                                                                                                                                                        | 07.312.7155.6 | 10                                                                                               |
| Partition, gray                       | TWFN 2,5 D2/2                                                                                                                                                                                                                                                                                                                                                             | 07.312.7255.0 | 10                                                                                               |

# Supply block

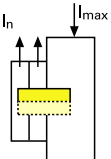
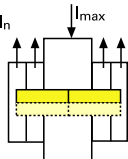
## WKF 16/35 PV/WKFN

- Supply block for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                             | Type                                                                                                                                                                                                                                                                           | Part No.      | Std. Pack |                                                                                     |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|-------------------------------------------------------------------------------------|
| Power feed-in block, gray               | WKF 16/35 PV/WKFN                                                                                                                                                                                                                                                              | 56.716.0353.0 | 20        |                                                                                     |
| General data                            |                                                                                                                                                                                                                                                                                |               |           |                                                                                     |
| Width / length / height, incl. TS 7.5   | 12 mm / 82 mm / 48 mm                                                                                                                                                                                                                                                          |               |           |                                                                                     |
| Wire strip length                       | 15 mm                                                                                                                                                                                                                                                                          |               |           |                                                                                     |
| Approvals                               |    KEMA 01 ATEX 2087 U |               |           |                                                                                     |
| Technical data                          | IEC                                                                                                                                                                                                                                                                            | UL            | CSA       |  |
|                                         | EN 60 947-7-1                                                                                                                                                                                                                                                                  |               |           | EN 60 079-0/-7                                                                      |
| Cross section fine-stranded             | 4 – 16 mm <sup>2</sup>                                                                                                                                                                                                                                                         |               |           | 4 – 16 mm <sup>2</sup>                                                              |
| Cross section solid/stranded            | 4 – 16 mm <sup>2</sup>                                                                                                                                                                                                                                                         |               |           | 4 – 16 mm <sup>2</sup>                                                              |
| Cross section, AWG                      |                                                                                                                                                                                                                                                                                | 24–4          | 12–4      |                                                                                     |
| Rated current                           | 76 A                                                                                                                                                                                                                                                                           | 75 A          | 78 A      | 64 A*)                                                                              |
| Rated voltage                           | 800 V                                                                                                                                                                                                                                                                          | 600 V         | 600 V     | 690 V                                                                               |
| Rated impulse voltage                   | 8 kV                                                                                                                                                                                                                                                                           |               |           |                                                                                     |
| Pollution degree                        | 3                                                                                                                                                                                                                                                                              |               |           |                                                                                     |
| Note                                    | * Type-specific output currents upon request                                                                                                                                                                                                                                   |               |           |                                                                                     |
| Accessories                             |                                                                                                                                                                                                                                                                                |               |           |                                                                                     |
|                                         | Type                                                                                                                                                                                                                                                                           | Part No.      | Std. Pack |                                                                                     |
| Cover with warning symbol over 4 blocks | ADF 16/4 GELB                                                                                                                                                                                                                                                                  | 04.343.6653.8 | 10        |                                                                                     |
| Screwdriver, uninsulated                | DIN 5264 B 1.0x5.5                                                                                                                                                                                                                                                             | 06.502.4200.0 | 5         |                                                                                     |

- Potential distribution with standard cross connector IVB WKF 2.5...
- Parallel connection of two cross connectors → double jumpering
- Potential distributions are possible on one or both sides

|                        |                                                                                    |        |                                                                                     |        |
|------------------------|------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|
| Potential-distribution |  |        |  |        |
|                        | one side                                                                           |        | both sides                                                                          |        |
| Jumpering              | single                                                                             | double | single                                                                              | double |
| I <sub>max</sub>       | 48                                                                                 | 68     | 72                                                                                  | 76     |

$$I_{\max} = \sum I_n \leq \sum I_{\text{Nblock}}$$

## Accessories for *fasis* WKFN 2,5...



| Accessories                             | Type                                        | Part No.      | Std. Pack |
|-----------------------------------------|---------------------------------------------|---------------|-----------|
| Cross connector, insulated              | 2 pole IVB WKF 2,5–2                        | Z7.280.6227.0 | 10        |
|                                         | 3 pole IVB WKF 2,5–3                        | Z7.280.6327.0 | 10        |
|                                         | 4 pole IVB WKF 2,5–4                        | Z7.280.6427.0 | 10        |
|                                         | 5 pole IVB WKF 2,5–5                        | Z7.280.6527.0 | 10        |
|                                         | 6 pole IVB WKF 2,5–6                        | Z7.280.6627.0 | 10        |
|                                         | 7 pole IVB WKF 2,5–7                        | Z7.280.6727.0 | 20        |
|                                         | 8 pole IVB WKF 2,5–8                        | Z7.280.6827.0 | 20        |
|                                         | 9 pole IVB WKF 2,5–9                        | Z7.280.6927.0 | 20        |
|                                         | 10 pole IVB WKF 2,5–10                      | Z7.280.7027.0 | 20        |
|                                         | 20 pole IVB WKF 2,5–20                      | Z7.280.8027.0 | 20        |
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> LELN 2,5/1 WEISS   | 05.564.3755.0 | 100       |
|                                         | 0.25–0.5 mm <sup>2</sup> LELN 2,5/2 GRAU    | 05.564.3855.0 | 100       |
|                                         | 0.75–1.0 mm <sup>2</sup> LELN 2,5/3 SCHWARZ | 05.564.3955.0 | 100       |
| Cover with warning symbol over 4 blocks | yellow ADFN 2,5/4 GELB                      | 04.343.8353.8 | 10        |
| Test adapter, modular                   | PS WKC/F                                    | Z1.299.9753.0 | 10        |
| Test plug                               | ST 2/2,3                                    | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated                | DIN 5264 B 0,6x3,5                          | 06.502.4000.0 | 5         |
| Screwdriver, uninsulated, MINI          | DIN 5264 B 0,6x3,5 M                        | 06.502.5000.0 | 10        |

## Feed-through blocks with tension spring connection

### WKFN 4/35

- Feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                    | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKFN 4/35                                                                                                                                                                               | 56.704.0055.0 | 100                                                                                            |
| Feed-through block, blue              | WKFN 4/35 BLAU                                                                                                                                                                          | 56.704.0055.6 | 100                                                                                            |
| <b>General data</b>                   |                                                                                                                                                                                         |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 6 mm / 51 mm / 38 mm                                                                                                                                                                    |               |                                                                                                |
| Wire strip length                     | 11 mm                                                                                                                                                                                   |               |                                                                                                |
| Approvals                             |   PTB 05 ATEX 1104 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                              | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-1                                                                                                                                                                           |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                                                                                                  |               | 0.13–4 mm <sup>2</sup>                                                                         |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                                                                                                  |               | 0.2–6 mm <sup>2</sup>                                                                          |
| Cross section, AWG                    |                                                                                                                                                                                         | 24–10         | 24–10                                                                                          |
| Rated current                         | 32 A                                                                                                                                                                                    | 30 A          | 32 A                                                                                           |
| Rated voltage                         | 800 V                                                                                                                                                                                   | 600 V         | 600 V                                                                                          |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                    |               | 690 V                                                                                          |
| Pollution degree                      | 3                                                                                                                                                                                       |               |                                                                                                |
| <b>Note</b>                           |                                                                                                                                                                                         |               | <sup>1)</sup> 1. value at 40 K/<br>2. value at 45 K                                            |
| <b>Accessories</b>                    |                                                                                                                                                                                         |               |                                                                                                |
| End plate, gray                       | APFN 4                                                                                                                                                                                  | 07.312.9255.0 | 10                                                                                             |
| End plate, blue                       | APFN 4 BLAU                                                                                                                                                                             | 07.312.9255.6 | 10                                                                                             |
| Partition, gray                       | TWFN 4                                                                                                                                                                                  | 07.312.9355.0 | 10                                                                                             |

### WKFN 4 D1/2/35

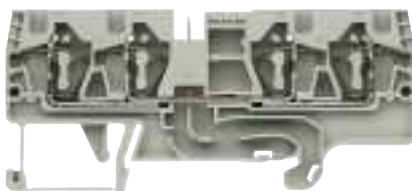
- Duo feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                        | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKFN 4 D1/2/35                                                                                                                                                                              | 56.704.5055.0 | 100                                                                                              |
| Feed-through block, blue              | WKFN 4 D1/2/35 BLAU                                                                                                                                                                         | 56.704.5055.6 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                                                                                                             |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 6 mm / 67 mm / 38 mm                                                                                                                                                                        |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                                                                                                       |               |                                                                                                  |
| Approvals                             |   PTB 05 ATEX 1104 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                  | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-1                                                                                                                                                                               |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                                                                                                      |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                                                                                                      |               | 0.2–6 mm <sup>2</sup>                                                                            |
| Cross section, AWG                    |                                                                                                                                                                                             | 24–10         | 24–10                                                                                            |
| Rated current                         | 32 A                                                                                                                                                                                        | 30 A          | 32 A                                                                                             |
| Rated voltage                         | 800 V                                                                                                                                                                                       | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                        |               | 550 V                                                                                            |
| Pollution degree                      | 3                                                                                                                                                                                           |               |                                                                                                  |
| <b>Note</b>                           |                                                                                                                                                                                             |               | <sup>1)</sup> 1. value at 40 K/<br>2. value at 45 K                                              |
| <b>Accessories</b>                    |                                                                                                                                                                                             |               |                                                                                                  |
| End plate, gray                       | APFN 4 D1/2                                                                                                                                                                                 | 07.312.9455.0 | 10                                                                                               |
| End plate, blue                       | APFN 4 D1/2 BLAU                                                                                                                                                                            | 07.312.9455.6 | 10                                                                                               |
| Partition, gray                       | TWFN 4 D1/2                                                                                                                                                                                 | 07.312.9555.0 | 10                                                                                               |

### WKFN 4 D2/2/35

- Duo feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143

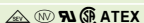


| Description                           | Type                                                                                                                                                                                        | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKFN 4 D2/2/35                                                                                                                                                                              | 56.704.5155.0 | 100                                                                                              |
| Feed-through block, blue              | WKFN 4 D2/2/35 BLAU                                                                                                                                                                         | 56.704.5155.6 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                                                                                                             |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 6 mm / 82 mm / 38 mm                                                                                                                                                                        |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                                                                                                       |               |                                                                                                  |
| Approvals                             |   PTB 05 ATEX 1104 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                  | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-1                                                                                                                                                                               |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                                                                                                      |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                                                                                                      |               | 0.2–6 mm <sup>2</sup>                                                                            |
| Cross section, AWG                    |                                                                                                                                                                                             | 24–10         | 24–10                                                                                            |
| Rated current                         | 32 A                                                                                                                                                                                        | 30 A          | 32 A                                                                                             |
| Rated voltage                         | 800 V                                                                                                                                                                                       | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                        |               | 550 V                                                                                            |
| Pollution degree                      | 3                                                                                                                                                                                           |               |                                                                                                  |
| <b>Note</b>                           |                                                                                                                                                                                             |               | <sup>1)</sup> 1. value at 40 K/<br>2. value at 45 K                                              |
| <b>Accessories</b>                    |                                                                                                                                                                                             |               |                                                                                                  |
| End plate, gray                       | APFN 4 D2/2                                                                                                                                                                                 | 07.312.9055.0 | 10                                                                                               |
| End plate, blue                       | APFN 4 D2/2 BLAU                                                                                                                                                                            | 07.312.9055.6 | 10                                                                                               |
| Partition, gray                       | TWFN 4 D2/2                                                                                                                                                                                 | 07.312.9155.0 | 10                                                                                               |

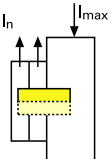
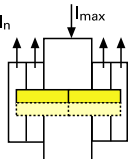
## WKF 16/35 PV/WKFN

- Supply block for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



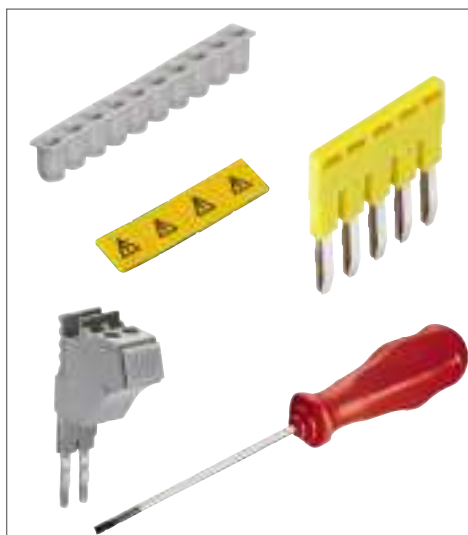
| Description                             | Type                                                                                                        | Part No.      | Std. Pack              |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------|------------------------|
| Power feed-in block, gray               | WKF 16/35 PV/WKFN                                                                                           | 56.716.0353.0 | 20                     |
| General data                            |                                                                                                             |               |                        |
| Width / length / height, incl. TS 7.5   | 12 mm / 82 mm / 48 mm                                                                                       |               |                        |
| Wire strip length                       | 15 mm                                                                                                       |               |                        |
| Approvals                               |  ATEX KEMA 01 ATEX 2087 U |               |                        |
| Technical data                          | IEC                                                                                                         | UL            | CSA                    |
|                                         | EN 60 947-7-1                                                                                               |               | EN 60 079-0/-7         |
| Cross section fine-stranded             | 4 – 16 mm <sup>2</sup>                                                                                      |               | 4 – 16 mm <sup>2</sup> |
| Cross section solid/stranded            | 4 – 16 mm <sup>2</sup>                                                                                      |               | 4 – 16 mm <sup>2</sup> |
| Cross section, AWG                      |                                                                                                             | 24–4          | 12–4                   |
| Rated current                           | 76 A                                                                                                        | 75 A          | 78 A                   |
| Rated voltage                           | 800 V                                                                                                       | 600 V         | 600 V                  |
| Rated impulse voltage                   | 8 kV                                                                                                        |               | 690 V                  |
| Pollution degree                        | 3                                                                                                           |               |                        |
| Note                                    | * Type-specific output currents upon request                                                                |               |                        |
| Accessories                             |                                                                                                             |               |                        |
|                                         | Type                                                                                                        | Part No.      | Std. Pack              |
| Cover with warning symbol over 4 blocks | ADF 16/4 GELB                                                                                               | 04.343.6653.8 | 10                     |
| Screwdriver, uninsulated                | DIN 5264 B 1.0x5.5                                                                                          | 06.502.4200.0 | 5                      |

- Potential distribution with standard cross connector IVB WKF 4...
- Parallel connection of two cross connectors → double jumpering
- Potential distributions are possible on one or both sides

|                        |                                                                                    |        |                                                                                     |        |
|------------------------|------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|
| Potential distribution |  |        |  |        |
|                        | one side                                                                           |        | both sides                                                                          |        |
| Jumpering              | single                                                                             | double | single                                                                              | double |
| I <sub>max</sub>       | 64                                                                                 | 76     | 76                                                                                  | 76     |

$$I_{\max} = \sum I_n \leq \sum I_{\text{nblock}}$$

## Accessories for *fasis* WKFN 4...



| Accessories                             | Type                                     | Part No.      | Std. Pack |
|-----------------------------------------|------------------------------------------|---------------|-----------|
| Cross connector, insulated              | 2 pole VB WKF 4–2                        | Z7.261.1227.0 | 10        |
|                                         | 3 pole IVB WKF 4–3                       | Z7.261.1327.0 | 10        |
|                                         | 4 pole IVB WKF 4–4                       | Z7.261.1427.0 | 10        |
|                                         | 5 pole IVB WKF 4–5                       | Z7.261.1527.0 | 10        |
|                                         | 6 pole IVB WKF 4–6                       | Z7.261.1627.0 | 10        |
|                                         | 7 pole IVB WKF 4–7                       | Z7.261.1727.0 | 20        |
|                                         | 8 pole IVB WKF 4–8                       | Z7.261.1827.0 | 20        |
|                                         | 9 pole IVB WKF 4–9                       | Z7.261.1927.0 | 20        |
|                                         | 10 pole IVB WKF 4–10                     | Z7.261.2027.0 | 20        |
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> LEL 4/1 WEISS   | 05.561.8553.0 | 100       |
|                                         | 0.25–0.5 mm <sup>2</sup> LEL 4/2 GRAU    | 05.561.8653.0 | 100       |
|                                         | 0.75–1.0 mm <sup>2</sup> LEL 4/3 SCHWARZ | 05.561.8753.0 | 100       |
| Cover with warning symbol over 4 blocks | yellow ADF 4/4 GELB                      | 04.343.6153.8 | 10        |
| Test adapter, modular                   | PS WKC/F                                 | Z1.299.9753.0 | 10        |
| Test plug                               | ST 2/2,3                                 | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated                | DIN 5264 B 0,6x3,5                       | 06.502.4000.0 | 5         |
| Screwdriver, uninsulated, MINI          | DIN 5264 B 0,6x3,5 M                     | 06.502.5000.0 | 10        |

## Feed-through blocks with tension spring connection

### WKFN 6/35

- Feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



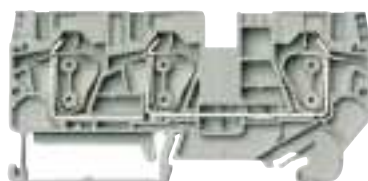
| Description              | Type           | Part No.      | Std. Pack |
|--------------------------|----------------|---------------|-----------|
| Feed-through block, gray | WKFN 6/35      | 56.706.0055.0 | 100       |
| Feed-through block, blue | WKFN 6/35 BLAU | 56.706.0055.6 | 100       |

|                                       |                                                                                                                                                                                         |           |            |                                                                                            |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------------------------------------------------------------------------------------------|
| <b>General data</b>                   |                                                                                                                                                                                         |           |            |                                                                                            |
| Width / length / height, incl. TS 7.5 | 8 mm / 66 mm / 45 mm                                                                                                                                                                    |           |            |                                                                                            |
| Wire strip length                     | 12 mm                                                                                                                                                                                   |           |            |                                                                                            |
| Approvals                             |   PTB 06 ATEX 1075 U |           |            |                                                                                            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                              | <b>UL</b> | <b>CSA</b> | <b></b> |
|                                       | EN 60 947-7-1                                                                                                                                                                           |           |            | EN 60 079-0/-7                                                                             |
| Cross section fine-stranded           | 0.2–6 mm <sup>2</sup>                                                                                                                                                                   |           |            | 0.2–6 mm <sup>2</sup>                                                                      |
| Cross section solid/stranded          | 1.5–10 mm <sup>2</sup>                                                                                                                                                                  |           |            | 1.5–10 mm <sup>2</sup>                                                                     |
| Cross section, AWG                    |                                                                                                                                                                                         | 24–8      | 24–8       |                                                                                            |
| Rated current                         | 41 A                                                                                                                                                                                    | 50 A      | 41 A       | 39/41 A*                                                                                   |
| Rated voltage                         | 800 V                                                                                                                                                                                   | 600 V     | 600 V      | 550 V                                                                                      |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                    |           |            |                                                                                            |
| Pollution degree                      | 3                                                                                                                                                                                       |           |            |                                                                                            |
| <b>Note</b>                           | * 1. value at 40 K/<br>2. value at 45 K                                                                                                                                                 |           |            |                                                                                            |

| Accessories     | Type        | Part No.      | Std. Pack |
|-----------------|-------------|---------------|-----------|
| End plate, gray | APFN 6      | 07.313.0455.0 | 10        |
| End plate, blue | APFN 6 BLAU | 07.313.0455.6 | 10        |
| Partition, gray | TWFN 6      | 07.313.0555.0 | 10        |

### WKFN 6 D1/2/35

- Duo-feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description              | Type                | Part No.      | Std. Pack |
|--------------------------|---------------------|---------------|-----------|
| Feed-through block, gray | WKFN 6 D1/2/35      | 56.706.5055.0 | 100       |
| Feed-through block, blue | WKFN 6 D1/2/35 BLAU | 56.706.5055.6 | 100       |

|                                       |                                                                                                                                                                                             |           |            |                                                                                              |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------------------------------------------------------------------------------------------|
| <b>General data</b>                   |                                                                                                                                                                                             |           |            |                                                                                              |
| Width / length / height, incl. TS 7.5 | 8 mm / 90 mm / 45 mm                                                                                                                                                                        |           |            |                                                                                              |
| Wire strip length                     | 12 mm                                                                                                                                                                                       |           |            |                                                                                              |
| Approvals                             |   PTB 06 ATEX 1075 U |           |            |                                                                                              |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                  | <b>UL</b> | <b>CSA</b> | <b></b> |
|                                       | EN 60 947-7-1                                                                                                                                                                               |           |            | EN 60 079-0/-7                                                                               |
| Cross section fine-stranded           | 0.2–6 mm <sup>2</sup>                                                                                                                                                                       |           |            | 0.2–6 mm <sup>2</sup>                                                                        |
| Cross section solid/stranded          | 1.5–10 mm <sup>2</sup>                                                                                                                                                                      |           |            | 1.5–10 mm <sup>2</sup>                                                                       |
| Cross section, AWG                    |                                                                                                                                                                                             | 24–8      | 24–8       |                                                                                              |
| Rated current                         | 41 A                                                                                                                                                                                        | 50 A      | 41 A       | 39/41 A*                                                                                     |
| Rated voltage                         | 800 V                                                                                                                                                                                       | 600 V     | 600 V      | 550 V                                                                                        |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                        |           |            |                                                                                              |
| Pollution degree                      | 3                                                                                                                                                                                           |           |            |                                                                                              |
| <b>Note</b>                           | * 1. value at 40 K/<br>2. value at 45 K                                                                                                                                                     |           |            |                                                                                              |

| Accessories     | Type             | Part No.      | Std. Pack |
|-----------------|------------------|---------------|-----------|
| End plate, gray | APFN 6 D1/2      | 07.313.0655.0 | 10        |
| End plate, blue | APFN 6 D1/2 BLAU | 07.313.0655.6 | 10        |
| Partition, gray | TWFN 6 D1/2      | 07.313.0755.0 | 10        |

## Accessories for *fasis* WKFN 6...



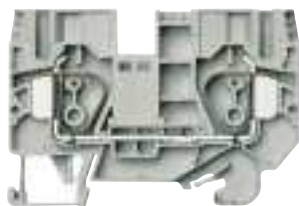
| Accessories                             |        | Type             | Part No.      | Std. Pack |
|-----------------------------------------|--------|------------------|---------------|-----------|
| Cross connector, insulated**            | 2 pole | IVB WKFN 6–2     | Z7.282.5227.0 | 10        |
|                                         | 3 pole | IVB WKFN 6–3     | Z7.282.5327.0 | 10        |
|                                         | 4 pole | IVB WKFN 6–4     | Z7.282.5427.0 | 10        |
|                                         | 5 pole | IVB WKFN 6–5     | Z7.282.5527.0 | 10        |
| Cover with warning symbol over 4 blocks | yellow | ADF 6/4 GELB     | 04.343.6253.8 | 10        |
| Test plug                               |        | ST 2/2,3         | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated                |        | DIN 5264 B 0.8x4 | 06.502.4100.0 | 5         |

\*\* When cross connectors are used according to EN 60079-0 and EN 60079-7, the current must be reduced to max. 3.5 A.

## WKFN 10/35

- Feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143

<sup>3)</sup> Pls. note that the current must be reduced for EX applications.



| Description              | Type            | Part No.      | Std. Pack |
|--------------------------|-----------------|---------------|-----------|
| Feed-through block, gray | WKFN 10/35      | 56.710.0055.0 | 50        |
| Feed-through block, blue | WKFN 10/35 BLAU | 56.710.0055.6 | 50        |

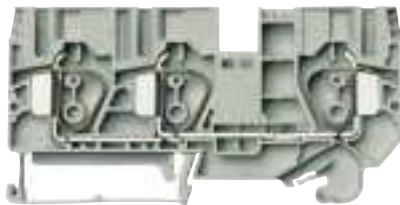
| General data                          |                                                                                                                                                                                                                                                                               |       |       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|
| Width / length / height, incl. TS 7.5 | 10 mm / 72 mm / 50 mm                                                                                                                                                                                                                                                         |       |       |                                                                                     |
| Wire strip length                     | 15 mm                                                                                                                                                                                                                                                                         |       |       |                                                                                     |
| Approvals                             |    PTB 06 ATEX 1075 U |       |       |                                                                                     |
| Technical data                        | IEC                                                                                                                                                                                                                                                                           | UL    | CSA   |  |
| EN 60 947-7-1                         | EN 60 079-0/-7                                                                                                                                                                                                                                                                |       |       |                                                                                     |
| Cross section fine-stranded           | 0.2–10 mm <sup>2</sup>                                                                                                                                                                                                                                                        |       |       | 0.2–10 mm <sup>2</sup>                                                              |
| Cross section solid/stranded          | 1.5–16 mm <sup>2</sup>                                                                                                                                                                                                                                                        |       |       | 1.5–16 mm <sup>2</sup>                                                              |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                               | 16–6  | 16–6  |                                                                                     |
| Rated current                         | 57 A                                                                                                                                                                                                                                                                          | 60 A  | 65 A  | 52/57 A*                                                                            |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                         | 600 V | 600 V | 550 V                                                                               |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                          |       |       |                                                                                     |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                             |       |       |                                                                                     |
| Note                                  | * 1. value at 40 K/<br>2. value at 45 K                                                                                                                                                                                                                                       |       |       |                                                                                     |

| Accessories     | Type         | Part No.      | Std. Pack |
|-----------------|--------------|---------------|-----------|
| End plate, gray | APFN 10      | 07.313.0855.0 | 10        |
| End plate, blue | APFN 10 BLAU | 07.313.0855.6 | 10        |
| Partition, gray | TWFN 10      | 07.313.0955.0 | 10        |

## WKFN 10 D1/2/35

- Duo-feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143

<sup>3)</sup> Pls. note that the current must be reduced for EX applications.



| Description              | Type                 | Part No.      | Std. Pack |
|--------------------------|----------------------|---------------|-----------|
| Feed-through block, gray | WKFN 10 D1/2/35      | 56.710.5055.0 | 50        |
| Feed-through block, blue | WKFN 10 D1/2/35 BLAU | 56.710.5055.6 | 50        |

| General data                          |                                                                                                                                                                                                                                                                                     |       |       |                                                                                       |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|---------------------------------------------------------------------------------------|
| Width / length / height, incl. TS 7.5 | 10 mm / 98 mm / 50 mm                                                                                                                                                                                                                                                               |       |       |                                                                                       |
| Wire strip length                     | 15 mm                                                                                                                                                                                                                                                                               |       |       |                                                                                       |
| Approvals                             |    PTB 06 ATEX 1075 U |       |       |                                                                                       |
| Technical data                        | IEC                                                                                                                                                                                                                                                                                 | UL    | CSA   |  |
| EN 60 947-7-1                         | EN 60 079-0/-7                                                                                                                                                                                                                                                                      |       |       |                                                                                       |
| Cross section fine-stranded           | 0.2–10 mm <sup>2</sup>                                                                                                                                                                                                                                                              |       |       | 0.2–10 mm <sup>2</sup>                                                                |
| Cross section solid/stranded          | 1.5–16 mm <sup>2</sup>                                                                                                                                                                                                                                                              |       |       | 1.5–16 mm <sup>2</sup>                                                                |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                     | 16–6  | 16–6  |                                                                                       |
| Rated current                         | 57 A                                                                                                                                                                                                                                                                                | 60 A  | 65 A  | 52/57 A*                                                                              |
| Rated voltage                         | 1000 V                                                                                                                                                                                                                                                                              | 600 V | 600 V | 550 V                                                                                 |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                |       |       |                                                                                       |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                   |       |       |                                                                                       |
| Note                                  | * 1. value at 40 K/<br>2. value at 45 K                                                                                                                                                                                                                                             |       |       |                                                                                       |

| Accessories     | Type              | Part No.      | Std. Pack |
|-----------------|-------------------|---------------|-----------|
| End plate, gray | APFN 10 D1/2      | 07.313.1055.0 | 10        |
| End plate, blue | APFN 10 D1/2 BLAU | 07.313.1055.6 | 10        |
| Partition, gray | TWFN 10 D1/2      | 07.313.1155.0 | 10        |

## Accessories for **fasis** WKFN 10...



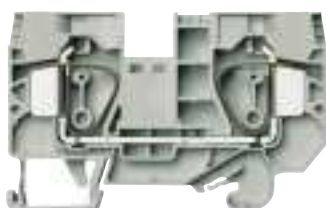
| Accessories                                       | Type   | Part No.         | Std. Pack     |    |
|---------------------------------------------------|--------|------------------|---------------|----|
| Cross connector, insulated**                      | 2 pole | IVB WKFN 10-2    | 27.283.8227.0 | 10 |
| Reducing jumper, WKFN 35 to WKFN 10 <sup>3)</sup> |        | IVB WKFN 35R10   | 27.285.6427.0 | 10 |
| Cover with warning symbol over 4 blocks           | yellow | ADF 10/4 GELB    | 04.343.6453.8 | 10 |
| Test plug                                         |        | ST 2/2,3         | 25.553.2921.0 | 10 |
| Screwdriver, uninsulated                          |        | DIN 5264 B 1x5.5 | 06.502.4200.0 | 5  |

\*\* When cross connectors are used acc. to EN 60079-0 and EN 60079-7 the current must be reduced to 4 A/40 K or 5 A/45 K for type WKFN 10/35.

# Feed-through blocks with tension spring connection

## WKFN 16/35

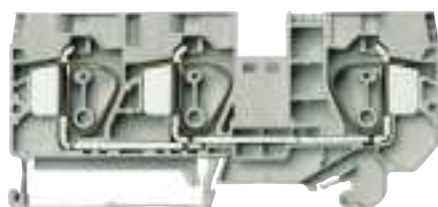
- Feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                            | Type                                                                                                                                                                                    | Part No.      | Std. Pack                                                                                      |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Feed-through block, gray               | WKFN 16/35                                                                                                                                                                              | 56.716.0055.0 | 50                                                                                             |
| Feed-through block, blue               | WKFN 16/35 BLAU                                                                                                                                                                         | 56.716.0055.6 | 100                                                                                            |
| <b>General data</b>                    |                                                                                                                                                                                         |               |                                                                                                |
| Width / length / height, incl. TS 7.5  | 12 mm / 79 mm / 50 mm                                                                                                                                                                   |               |                                                                                                |
| Wire strip length                      | 16 mm                                                                                                                                                                                   |               |                                                                                                |
| Approvals                              |   PTB 06 ATEX 1075 U |               |                                                                                                |
| <b>Technical data</b>                  | <b>IEC</b>                                                                                                                                                                              | <b>UL</b>     | <b>CSA</b>  |
|                                        | EN 60 947-7-1                                                                                                                                                                           |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded            | 0.2–16 mm <sup>2</sup>                                                                                                                                                                  |               | 0.2–16 mm <sup>2</sup>                                                                         |
| Cross section solid/stranded           | 1.5–25 mm <sup>2</sup>                                                                                                                                                                  |               | 1.5–25 mm <sup>2</sup>                                                                         |
| Cross section, AWG                     |                                                                                                                                                                                         | 16–4          | 16–4                                                                                           |
| Rated current                          | 76 A                                                                                                                                                                                    | 85 A          | 85 A                                                                                           |
| Rated voltage                          | 1000 V                                                                                                                                                                                  | 600 V         | 600 V                                                                                          |
| Rated impulse voltage                  | 8 kV                                                                                                                                                                                    |               | 550 V                                                                                          |
| Pollution degree                       | 3                                                                                                                                                                                       |               |                                                                                                |
| <b>Note</b>                            |                                                                                                                                                                                         |               | * 1. value at 40 K/<br>2. value at 45 K                                                        |
| <b>Accessories</b>                     |                                                                                                                                                                                         |               |                                                                                                |
| End plate, gray                        | APFN 16                                                                                                                                                                                 | 07.313.1255.0 | 10                                                                                             |
| End plate, blue                        | APFN 16 BLAU                                                                                                                                                                            | 07.313.1255.6 | 10                                                                                             |
| Partition, gray                        | TWFN 16                                                                                                                                                                                 | 07.313.1355.0 | 10                                                                                             |
| Cross connector, insulated** 2 pole    | IVB WKFN 16–2                                                                                                                                                                           | Z7.284.4227.0 | 10                                                                                             |
| Cover with warning symbol for 4 blocks | ADF 16/4 GELB                                                                                                                                                                           | 04.343.6653.8 | 10                                                                                             |

## WKFN 16 D1/2/35

- Duo-feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                            | Type                                                                                                                                                                                        | Part No.      | Std. Pack                                                                                        |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray               | WKFN 16 D1/2/35                                                                                                                                                                             | 56.716.5055.0 | 50                                                                                               |
| Feed-through block, blue               | WKFN 16 D1/2/35 BLAU                                                                                                                                                                        | 56.716.5055.6 | 100                                                                                              |
| <b>General data</b>                    |                                                                                                                                                                                             |               |                                                                                                  |
| Width / length / height, incl. TS 7.5  | 12 mm / 107 mm / 50 mm                                                                                                                                                                      |               |                                                                                                  |
| Wire strip length                      | 16 mm                                                                                                                                                                                       |               |                                                                                                  |
| Approvals                              |   PTB 06 ATEX 1075 U |               |                                                                                                  |
| <b>Technical data</b>                  | <b>IEC</b>                                                                                                                                                                                  | <b>UL</b>     | <b>CSA</b>  |
|                                        | EN 60 947-7-1                                                                                                                                                                               |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded            | 0.2–16 mm <sup>2</sup>                                                                                                                                                                      |               | 0.2–16 mm <sup>2</sup>                                                                           |
| Cross section solid/stranded           | 1.5–25 mm <sup>2</sup>                                                                                                                                                                      |               | 1.5–25 mm <sup>2</sup>                                                                           |
| Cross section, AWG                     |                                                                                                                                                                                             | 16–4          | 16–4                                                                                             |
| Rated current                          | 76 A                                                                                                                                                                                        | 85 A          | 85 A                                                                                             |
| Rated voltage                          | 1000 V                                                                                                                                                                                      | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                  | 8 kV                                                                                                                                                                                        |               | 550 V                                                                                            |
| Pollution degree                       | 3                                                                                                                                                                                           |               |                                                                                                  |
| <b>Note</b>                            |                                                                                                                                                                                             |               | * 1. value at 40 K/<br>2. value at 45 K                                                          |
| <b>Accessories</b>                     |                                                                                                                                                                                             |               |                                                                                                  |
| End plate, gray                        | APFN 16 D1/2                                                                                                                                                                                | 07.313.1455.0 | 10                                                                                               |
| End plate, blue                        | APFN 16 D1/2 BLAU                                                                                                                                                                           | 07.313.1455.6 | 10                                                                                               |
| Partition, gray                        | TWFN 16 D1/2                                                                                                                                                                                | 07.313.1555.0 | 10                                                                                               |
| Cross connector, insulated** 2 pole    | IVB WKFN 16–2                                                                                                                                                                               | Z7.284.4227.0 | 10                                                                                               |
| Cover with warning symbol for 4 blocks | ADF 16/4 GELB                                                                                                                                                                               | 04.343.6653.8 | 10                                                                                               |

## WKF 35/35

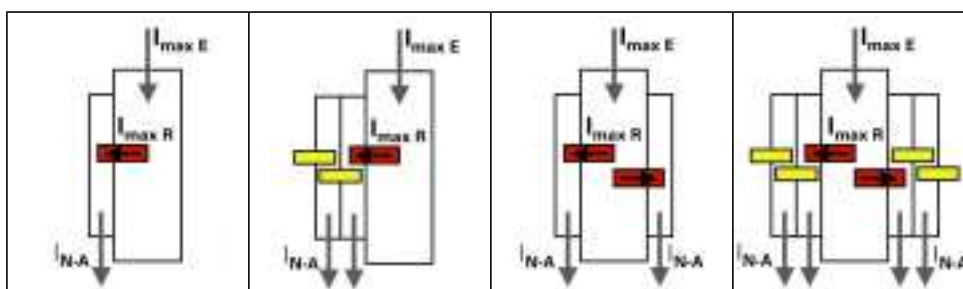
- Feed-through block with tension spring connection for mounting on TS 35
- Nominal cross section 35 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                     | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Feed-through block, gray              | WKF 35/35                                                                                                                                                                                                | 56.735.0053.0 | 10                                                                                               |
| Feed-through block, blue              | WKF 35/35 BLAU                                                                                                                                                                                           | 56.735.0053.6 | 10                                                                                               |
| <b>General data</b>                   |                                                                                                                                                                                                          |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 16 mm / 100 mm / 59 mm                                                                                                                                                                                   |               |                                                                                                  |
| Wire strip length                     | 18 mm                                                                                                                                                                                                    |               |                                                                                                  |
| Approvals                             | <b>ATEX</b>   KEMA 03 ATEX 2057 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                               | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-1                                                                                                                                                                                            |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 2.5–35 mm <sup>2</sup>                                                                                                                                                                                   |               | 2.5–35 mm <sup>2</sup>                                                                           |
| Cross section solid/stranded          | 2.5–35 mm <sup>2</sup>                                                                                                                                                                                   |               | 2.5–35 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                                          | 12–2          | 12–2                                                                                             |
| Rated current                         | 125 A                                                                                                                                                                                                    | 115 A         | 115 A                                                                                            |
| Rated voltage                         | 800 V                                                                                                                                                                                                    | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                     |               | 690 V                                                                                            |
| Pollution degree                      | 3                                                                                                                                                                                                        |               |                                                                                                  |
| <b>Note</b>                           |                                                                                                                                                                                                          |               | <sup>1)</sup> with/without jumper                                                                |
| <b>Accessories</b>                    |                                                                                                                                                                                                          |               |                                                                                                  |
| Cross connector, insulated 2 pole     | IVB WKF 35-2                                                                                                                                                                                             | Z7.285.6227.0 | 10                                                                                               |

## Potential supply with feed-through blocks up to 35 mm<sup>2</sup>

$I_{\max E}$ :  $I_{\max}$ . supply  
 $I_{\max R}$ :  $I_{\max}$  reducing cross connector  
 $I_{N-A}$ :  $I_N$  output terminal blocks



| Potential distribution              | Distribution on one side |               | Distribution on both sides |               |
|-------------------------------------|--------------------------|---------------|----------------------------|---------------|
|                                     | 2 poles                  | several poles | 2 poles                    | several poles |
| 35-R-10 $I_{\max}$ . supply         | 125 A                    | 125 A         | 125 A                      | 125 A         |
| $I_{\max}$ reducing cross connector | 57 A                     | 105 A         | 57 A                       | 105 A         |
| $I_N$ output terminal blocks        | 57 A                     | 57 A          | 57 A                       | 57 A          |

### Potential distribution 35 R 10

- Potential supply 35 mm<sup>2</sup>
- Reducing cross connector 35R10
- Potential output 10 mm<sup>2</sup>

| Function                               | Type                 | Part No.      | Std. Pack |
|----------------------------------------|----------------------|---------------|-----------|
| Supply block, gray                     | WKF 35 /35           | 56.735.0053.0 | 10        |
| Supply block, gray                     | WKF 35 /35 BLAU      | 56.735.0053.6 | 10        |
| Reducing cross connector <sup>2)</sup> | IVB WKFN 35R10       | Z7.285.6427.0 | 10        |
| Output block, gray                     | WKFN 10 /35          | 56.710.0055.0 | 10        |
| Output block, blue                     | WKFN 10 /35 BLAU     | 56.710.0055.6 | 10        |
| Output block, gray                     | WKFN 10 D1/2/35      | 56.710.5055.0 | 10        |
| Output block, blue                     | WKFN 10 D1/2/35 BLAU | 56.710.5055.6 | 10        |

<sup>2)</sup> When cross connectors are used acc. to EN 60079-0 and EN 60079-7 the current must be reduced (values to be requested)

## Accessories for **fasis** WKFN 16... and WKF 35



| Accessories              | Type             | Part No.      | Std. Pack |
|--------------------------|------------------|---------------|-----------|
| Test plug                | ST 2/2,3         | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated | DIN 5264 B 1x5,5 | 06.502.4200.0 | 5         |

\*\* When cross connectors are used according to EN 60079-0 and EN 60079-7, the current must be reduced to max. 3.5 A.

## Ground blocks with tension spring connection

### WKF 1,5 SL/35

- Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                       | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKF 1,5 SL/35                                                                                              | 56.702.9053.0 | 50                                                                                             |
| <b>General data</b>                   |                                                                                                            |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 4 mm / 49 mm / 37 mm                                                                                       |               |                                                                                                |
| Wire strip length                     | 10 mm                                                                                                      |               |                                                                                                |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                 | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                              |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.08 – 1.5 mm <sup>2</sup>                                                                                 |               | 0.14 – 1.5 mm <sup>2</sup>                                                                     |
| Cross section solid/stranded          | 0.08 – 1.5 mm <sup>2</sup>                                                                                 |               | 0.14 – 1.5 mm <sup>2</sup>                                                                     |
| Cross section, AWG                    |                                                                                                            | 24 – 14       | 24 – 14                                                                                        |
| Rated current                         |                                                                                                            |               |                                                                                                |
| Rated voltage                         | 500 V                                                                                                      | 300 V         | 300 V                                                                                          |
| Rated impulse voltage                 | 6 kV                                                                                                       |               | 440 V*                                                                                         |
| Pollution degree                      | 3                                                                                                          |               |                                                                                                |
| <b>Accessories</b>                    |                                                                                                            |               |                                                                                                |
| End plate, gray                       | APF 1,5                                                                                                    | 07.312.8153.0 | 10                                                                                             |
| Partition, gray                       | TWF 1,5                                                                                                    | 07.312.8253.0 | 10                                                                                             |

### WKF 1,5 D1/2/SL/35

- Duo ground block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                        | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKF 1,5 D1/2/SL/35                                                                                          | 56.702.9353.0 | 50                                                                                               |
| <b>General data</b>                   |                                                                                                             |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 4 mm / 60 mm / 37 mm                                                                                        |               |                                                                                                  |
| Wire strip length                     | 10 mm                                                                                                       |               |                                                                                                  |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                  | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                               |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.08 – 1.5 mm <sup>2</sup>                                                                                  |               | 0.14 – 1.5 mm <sup>2</sup>                                                                       |
| Cross section solid/stranded          | 0.08 – 1.5 mm <sup>2</sup>                                                                                  |               | 0.14 – 1.5 mm <sup>2</sup>                                                                       |
| Cross section, AWG                    |                                                                                                             | 24 – 14       | 24 – 14                                                                                          |
| Rated current                         |                                                                                                             |               |                                                                                                  |
| Rated voltage                         | 500 V                                                                                                       | 300 V         | 300 V                                                                                            |
| Rated impulse voltage                 | 6 kV                                                                                                        |               | 440 V*                                                                                           |
| Pollution degree                      | 3                                                                                                           |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                             |               |                                                                                                  |
| End plate, gray                       | APF 1,5 D1/2                                                                                                | 07.312.8353.0 | 10                                                                                               |
| Segment end plate                     | SAPF 1,5                                                                                                    | 07.312.8953.0 | 10                                                                                               |
| Partition, gray                       | TWF 1,5 D1/2                                                                                                | 07.312.8453.0 | 10                                                                                               |

### WKF 1,5 D2/2/SL/35

- Duo ground block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                         | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKF 1,5 D2/2/SL/35                                                                                           | 56.702.9153.0 | 50                                                                                               |
| <b>General data</b>                   |                                                                                                              |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 4 mm / 72 mm / 37 mm                                                                                         |               |                                                                                                  |
| Wire strip length                     | 10 mm                                                                                                        |               |                                                                                                  |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                   | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.08 – 1.5 mm <sup>2</sup>                                                                                   |               | 0.14 – 1.5 mm <sup>2</sup>                                                                       |
| Cross section solid/stranded          | 0.08 – 1.5 mm <sup>2</sup>                                                                                   |               | 0.14 – 1.5 mm <sup>2</sup>                                                                       |
| Cross section, AWG                    |                                                                                                              | 24 – 14       | 24 – 14                                                                                          |
| Rated current                         |                                                                                                              |               |                                                                                                  |
| Rated voltage                         | 500 V                                                                                                        | 300 V         | 300 V                                                                                            |
| Rated impulse voltage                 | 6 kV                                                                                                         |               | 440 V*                                                                                           |
| Pollution degree                      | 3                                                                                                            |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                              |               |                                                                                                  |
| End plate, gray                       | APF 1,5 D2/2                                                                                                 | 07.312.8553.0 | 10                                                                                               |
| Segment end plate                     | SAPF 1,5                                                                                                     | 07.312.8953.0 | 10                                                                                               |
| Partition, gray                       | TWF 1,5 D2/2                                                                                                 | 07.312.8653.0 | 10                                                                                               |

## Accessories for *fasis* WKF 1.5...



| Accessories                             | Type                                       | Part No.      | Std. Pack |
|-----------------------------------------|--------------------------------------------|---------------|-----------|
| Wire entry guide                        | 0.13 – 0.2 mm <sup>2</sup> LEL 1,5/1 WEISS | 05.564.4253.0 | 100       |
|                                         | 0.25 – 0.5 mm <sup>2</sup> LEL 1,5/2 GRAU  | 05.564.4353.0 | 100       |
| Cover with warning symbol over 5 blocks | yellow ADF 1,5/5 GELB                      | 04.343.6953.8 | 10        |
| Screwdriver, uninsulated                | DIN 5264 B 0,4x2,5                         | 06.502.4300.0 | 5         |

\* In order to maintain the proper isolation distances, the open side of a ground block is to be covered by an end plate.

### WKFN 2,5 SL/35

- Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                  | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 2,5 SL/35                                                                                                                                                                                                                                                                                                                                                        | 56.703.9055.0 | 100                                                                                            |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 5 mm / 47 mm / 38 mm                                                                                                                                                                                                                                                                                                                                                  |               |                                                                                                |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                            | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                                                                                                         |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                              |               | 0.2–2.5 mm <sup>2</sup>                                                                        |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                |               | 0.13–4 mm <sup>2</sup>                                                                         |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                       | 22–12         | 24–12                                                                                          |
| Rated current                         |                                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                                |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                                                                                                                 | 600 V         | 600 V                                                                                          |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                                                                                                  |               |                                                                                                |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                     |               |                                                                                                |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                                |
| End plate, gray                       | APFN 2,5                                                                                                                                                                                                                                                                                                                                                              | 07.312.6755.0 | 10                                                                                             |

### WKFN 2,5 D1/2/SL/35

- Duo-Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                      | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 2,5 D1/2/SL/35                                                                                                                                                                                                                                                                                                                                                       | 56.703.9355.0 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 5 mm / 60 mm / 38 mm                                                                                                                                                                                                                                                                                                                                                      |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                     |               |                                                                                                  |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                                | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                                                                                                             |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                  |               | 0.2–2.5 mm <sup>2</sup>                                                                          |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                           | 22–12         | 24–12                                                                                            |
| Rated current                         |                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                                  |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                                                                                                                     | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                                                                                                      |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                                  |
| End plate, gray                       | APFN 2,5 D1/2                                                                                                                                                                                                                                                                                                                                                             | 07.312.6955.0 | 10                                                                                               |

### WKFN 2,5 D2/2/SL/35

- Duo ground block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                          | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 2,5 D2/2/SL/35                                                                                                                                                                                                                                                                                                                                                           | 56.703.9155.0 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 5 mm / 72 mm / 38 mm                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                                  |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                                    | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                                                                                                                 |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                      |               | 0.2–2.5 mm <sup>2</sup>                                                                          |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                        |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                               | 22–12         | 24–12                                                                                            |
| Rated current                         |                                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                                  |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                                                                                                                         | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                             |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                                  |
| End plate, gray                       | APFN 2,5 D2/2                                                                                                                                                                                                                                                                                                                                                                 | 07.312.7155.0 | 10                                                                                               |

## Accessories for *fasis* WKFN 2,5...



| Accessories                             | Type                     | Part No.             | Std. Pack     |
|-----------------------------------------|--------------------------|----------------------|---------------|
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> | LELN 2,5/1 WEISS     | 05.564.3755.0 |
|                                         | 0.25–0.5 mm <sup>2</sup> | LELN 2,5/2 GRAU      | 05.564.3855.0 |
|                                         | 0.75–1.0 mm <sup>2</sup> | LELN 2,5/3 SCHWARZ   | 05.564.3955.0 |
| Cover with warning symbol over 4 blocks | yellow                   | ADFN 2,5/4 GELB      | 04.343.8353.8 |
| Screwdriver, uninsulated                |                          | DIN 5264 B 0,6x3,5   | 06.502.4000.0 |
| Screwdriver, uninsulated, MINI          |                          | DIN 5264 B 0,6x3,5 M | 06.502.5000.0 |

## Ground blocks with tension spring connection

### WKFN 4 SL/35

- Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                     | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|----------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 4 SL/35                                                                                             | 56.704.9055.0 | 100                                                                                            |
| <b>General data</b>                   |                                                                                                          |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 6 mm / 51 mm / 38 mm                                                                                     |               |                                                                                                |
| Wire strip length                     | 11 mm                                                                                                    |               |                                                                                                |
| Approvals                             |  PTB PTB 05 ATEX 1104 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                               | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                            |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                   |               | 0.13–4 mm <sup>2</sup>                                                                         |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                   |               | 0.2–6 mm <sup>2</sup>                                                                          |
| Cross section, AWG                    |                                                                                                          | 24–10         | 24–10                                                                                          |
| Rated current                         |                                                                                                          |               |                                                                                                |
| Rated voltage                         | 800 V                                                                                                    | 600 V         | 600 V                                                                                          |
| Rated impulse voltage                 | 8 kV                                                                                                     |               |                                                                                                |
| Pollution degree                      | 3                                                                                                        |               |                                                                                                |
| <b>Accessories</b>                    |                                                                                                          |               |                                                                                                |
| End plate, gray                       | APFN 4                                                                                                   | 07.312.9255.0 | 10                                                                                             |

### WKFN 4 D1/2/SL/35

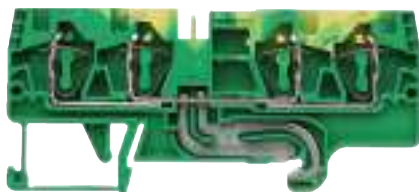
- Duo ground block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                      | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 4 D1/2/SL/35                                                                                         | 56.704.9355.0 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                           |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 6 mm / 67 mm / 38 mm                                                                                      |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                     |               |                                                                                                  |
| Approvals                             |  PTB PTB 05 ATEX 1104 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                             |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                    |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                    |               | 0.2–6 mm <sup>2</sup>                                                                            |
| Cross section, AWG                    |                                                                                                           | 24–10         | 24–10                                                                                            |
| Rated current                         |                                                                                                           |               |                                                                                                  |
| Rated voltage                         | 800 V                                                                                                     | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                      |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                         |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                           |               |                                                                                                  |
| End plate, gray                       | APFN 4 D1/2                                                                                               | 07.312.9455.0 | 10                                                                                               |

### WKFN 4 D2/2/SL/35

- Duo ground block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                       | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 4 D2/2/SL/35                                                                                          | 56.704.9155.0 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                            |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 6 mm / 82 mm / 38 mm                                                                                       |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                      |               |                                                                                                  |
| Approvals                             |  PTB PTB 05 ATEX 1104 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                 | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                              |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                     |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                     |               | 0.2–6 mm <sup>2</sup>                                                                            |
| Cross section, AWG                    |                                                                                                            | 24–10         | 24–10                                                                                            |
| Rated current                         |                                                                                                            |               |                                                                                                  |
| Rated voltage                         | 800 V                                                                                                      | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                       |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                          |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                            |               |                                                                                                  |
| End plate, gray                       | APFN 4 D2/2                                                                                                | 07.312.9055.0 | 10                                                                                               |

## Accessories for *fasis* WKFN 4...



| Accessories                             | Type                     | Part No.        | Std. Pack     |
|-----------------------------------------|--------------------------|-----------------|---------------|
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> | LEL 4/1 WEISS   | 05.561.8553.0 |
|                                         | 0.25–0.5 mm <sup>2</sup> | LEL 4/2 GRAU    | 05.561.8653.0 |
|                                         | 0.75–1.0 mm <sup>2</sup> | LEL 4/3 SCHWARZ | 05.561.8753.0 |
| Cover with warning symbol over 4 blocks | yellow                   | ADF 4/4 GELB    | 04.343.6153.8 |
| Test plug                               | ST 2/2,3                 | Z5.553.2921.0   | 10            |
| Screwdriver, uninsulated                | DIN 5264 B 0,6x3,5       | 06.502.4000.0   | 5             |
| Screwdriver, uninsulated, MINI          | DIN 5264 B 0,6x3,5 M     | 06.502.5000.0   | 10            |

### WKFN 6 SL/35

- Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                          | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 6 SL/35                                                                                                                                                                                                                                                                  | 56.706.9055.0 | 100                                                                                            |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                               |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 8 mm / 66 mm / 45 mm                                                                                                                                                                                                                                                          |               |                                                                                                |
| Wire strip length                     | 12 mm                                                                                                                                                                                                                                                                         |               |                                                                                                |
| Approvals                             |    PTB 06 ATEX 1075 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                    | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                 |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.2–6 mm <sup>2</sup>                                                                                                                                                                                                                                                         |               | 0.2–6 mm <sup>2</sup>                                                                          |
| Cross section solid/stranded          | 1.5–10 mm <sup>2</sup>                                                                                                                                                                                                                                                        |               | 1.5–10 mm <sup>2</sup>                                                                         |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                               | 24–8          | 24–8                                                                                           |
| Rated current                         |                                                                                                                                                                                                                                                                               |               |                                                                                                |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                         | 600 V         | 600 V                                                                                          |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                          |               |                                                                                                |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                             |               |                                                                                                |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                               |               |                                                                                                |
|                                       | Type                                                                                                                                                                                                                                                                          | Part No.      | Std. Pack                                                                                      |
| End plate, gray                       | APFN 6                                                                                                                                                                                                                                                                        | 07.313.0455.0 | 10                                                                                             |

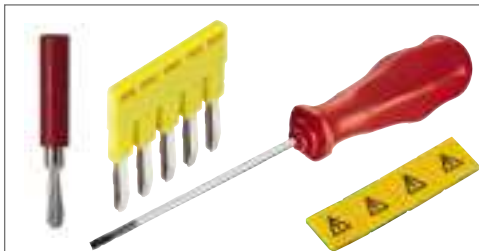
### WKFN 6 D1/2/SL/35

- Duo ground block with tension spring connection for mounting on TS 35
- Nominal cross section 6 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                             | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 6 D1/2/SL/35                                                                                                                                                                                                                                                                | 56.706.9355.0 | 100                                                                                              |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                  |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 8 mm / 90 mm / 45 mm                                                                                                                                                                                                                                                             |               |                                                                                                  |
| Wire strip length                     | 12 mm                                                                                                                                                                                                                                                                            |               |                                                                                                  |
| Approvals                             |    PTB 06 ATEX 1075 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                       | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                    |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.2–6 mm <sup>2</sup>                                                                                                                                                                                                                                                            |               | 0.2–6 mm <sup>2</sup>                                                                            |
| Cross section solid/stranded          | 1.5–10 mm <sup>2</sup>                                                                                                                                                                                                                                                           |               | 1.5–10 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                  | 24–8          | 24–8                                                                                             |
| Rated current                         |                                                                                                                                                                                                                                                                                  | 50 A          |                                                                                                  |
| Rated voltage                         | 800 V                                                                                                                                                                                                                                                                            | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                             |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                                  |               |                                                                                                  |
|                                       | Type                                                                                                                                                                                                                                                                             | Part No.      | Std. Pack                                                                                        |
| End plate, gray                       | APFN 6 D1/2                                                                                                                                                                                                                                                                      | 07.313.0655.0 | 10                                                                                               |

## Accessories for *fasis* WKFN 6...



| Accessories                             | Type             | Part No.      | Std. Pack     |
|-----------------------------------------|------------------|---------------|---------------|
| Cross connector, insulated*             | 2 pole           | IVB WKFN 6–2  | Z7.282.5227.0 |
|                                         | 3 pole           | IVB WKFN 6–3  | Z7.282.5327.0 |
|                                         | 4 pole           | IVB WKFN 6–4  | Z7.282.5427.0 |
|                                         | 5 pole           | IVB WKFN 6–5  | Z7.282.5527.0 |
| Cover with warning symbol over 4 blocks | yellow           | ADF 6/4 GELB  | 04.343.6253.8 |
| Test plug                               | ST 2/2,3         | Z5.553.2921.0 | 10            |
| Screwdriver, uninsulated                | DIN 5264 B 0,8x4 | 06.502.4100.0 | 5             |

\* When cross connectors are used according to EN 60079-0 and EN 60079-7, the current must be reduced to max. 3.5 A.

## Ground blocks with tension spring connection

### WKFN 10 SL/35

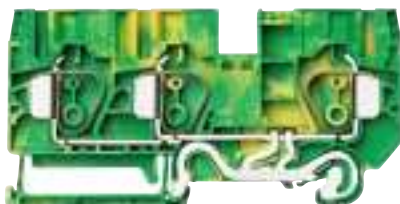
- Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                    | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 10 SL/35                                                                                                                                                                           | 56.710.9055.0 | 50                                                                                             |
| <b>General data</b>                   |                                                                                                                                                                                         |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 10 mm / 72 mm / 50 mm                                                                                                                                                                   |               |                                                                                                |
| Wire strip length                     | 15 mm                                                                                                                                                                                   |               |                                                                                                |
| Approvals                             |   PTB 06 ATEX 1075 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                              | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                           |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.2–10 mm <sup>2</sup>                                                                                                                                                                  |               | 0.2–10 mm <sup>2</sup>                                                                         |
| Cross section solid/stranded          | 1.5–16 mm <sup>2</sup>                                                                                                                                                                  |               | 1.5–16 mm <sup>2</sup>                                                                         |
| Cross section, AWG                    |                                                                                                                                                                                         | 16–6          | 16–6                                                                                           |
| Rated current                         |                                                                                                                                                                                         |               |                                                                                                |
| Rated voltage                         | 1000 V                                                                                                                                                                                  | 600 V         | 600 V                                                                                          |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                    |               |                                                                                                |
| Pollution degree                      | 3                                                                                                                                                                                       |               |                                                                                                |
| <b>Accessories</b>                    |                                                                                                                                                                                         |               |                                                                                                |
| End plate, gray                       | WKFN 10 SL/35                                                                                                                                                                           | 56.710.9055.0 | 10                                                                                             |

### WKFN 10 D1/2/SL/35

- Duo ground block with tension spring connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                      | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 10 D1/2/SL/35                                                                                                                                                                        | 56.710.9355.0 | 50                                                                                               |
| <b>General data</b>                   |                                                                                                                                                                                           |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 10 mm / 98 mm / 50 mm                                                                                                                                                                     |               |                                                                                                  |
| Wire strip length                     | 15 mm                                                                                                                                                                                     |               |                                                                                                  |
| Approvals                             |   PTB 06 ATEX 1075 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                             |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.2–10 mm <sup>2</sup>                                                                                                                                                                    |               | 0.2–10 mm <sup>2</sup>                                                                           |
| Cross section solid/stranded          | 1.5–16 mm <sup>2</sup>                                                                                                                                                                    |               | 1.5–16 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                           | 16–6          |                                                                                                  |
| Rated current                         |                                                                                                                                                                                           |               |                                                                                                  |
| Rated voltage                         | 1000 V                                                                                                                                                                                    | 600 V         |                                                                                                  |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                      |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                                                                                                         |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                                                                                                           |               |                                                                                                  |
| End plate, gray                       | APFN 10 D1/2                                                                                                                                                                              | 07.313.1055.0 | 10                                                                                               |

### WKFN 16 SL/35

- Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                        | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 16 SL/35                                                                                                                                                                               | 56.716.9055.0 | 50                                                                                               |
| <b>General data</b>                   |                                                                                                                                                                                             |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 12 mm / 79 mm / 50 mm                                                                                                                                                                       |               |                                                                                                  |
| Wire strip length                     | 16 mm                                                                                                                                                                                       |               |                                                                                                  |
| Approvals                             |   PTB 06 ATEX 1075 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                  | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                               |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.2–16 mm <sup>2</sup>                                                                                                                                                                      |               | 0.2–16 mm <sup>2</sup>                                                                           |
| Cross section solid/stranded          | 1.5–25 mm <sup>2</sup>                                                                                                                                                                      |               | 1.5–25 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                             | 16–4          | 16–4                                                                                             |
| Rated current                         |                                                                                                                                                                                             |               |                                                                                                  |
| Rated voltage                         | 1000 V                                                                                                                                                                                      | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                        |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                                                                                                           |               |                                                                                                  |
| <b>Accessories</b>                    |                                                                                                                                                                                             |               |                                                                                                  |
| End plate, gray                       | APFN 16                                                                                                                                                                                     | 07.313.1255.0 | 10                                                                                               |

### WKFN 16 D1/2/SL/35

- Duo ground block with tension spring connection for mounting on TS 35
- Nominal cross section 16 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                          | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 16 D1/2/SL/35                                                                                                                                                                                                                                                            | 56.716.9355.0 | 50                                                                                             |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                               |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 12 mm / 107 mm / 50 mm                                                                                                                                                                                                                                                        |               |                                                                                                |
| Wire strip length                     | 16 mm                                                                                                                                                                                                                                                                         |               |                                                                                                |
| Approvals                             |    PTB 06 ATEX 1075 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                    | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                 |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.2–16 mm <sup>2</sup>                                                                                                                                                                                                                                                        |               | 0.2–16 mm <sup>2</sup>                                                                         |
| Cross section solid/stranded          | 1.5–25 mm <sup>2</sup>                                                                                                                                                                                                                                                        |               | 1.5–25 mm <sup>2</sup>                                                                         |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                               | 16–4          |                                                                                                |
| Rated current                         |                                                                                                                                                                                                                                                                               |               |                                                                                                |
| Rated voltage                         | 1000 V                                                                                                                                                                                                                                                                        |               | 600 V                                                                                          |
| Rated impulse voltage                 | 8 kV                                                                                                                                                                                                                                                                          |               |                                                                                                |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                             |               |                                                                                                |
| <b>Accessories</b>                    |                                                                                                                                                                                                                                                                               |               |                                                                                                |
| End plate, gray                       | APFN 16 D1/2                                                                                                                                                                                                                                                                  | 07.313.1455.  | 10                                                                                             |

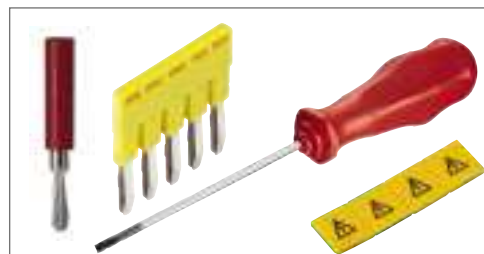
### WKF 35 SL/35

- Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 35 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                             | Type                                                                                                                                                                                                                                                                           | Part No.      | Std. Pack                                                                                       |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------|
| Ground block, green/yellow              | WKF 35 SL/35                                                                                                                                                                                                                                                                   | 56.735.9053.0 | 10                                                                                              |
| <b>General data</b>                     |                                                                                                                                                                                                                                                                                |               |                                                                                                 |
| Width / length / height, incl. TS 7.5   | 16 mm / 100 mm / 59 mm                                                                                                                                                                                                                                                         |               |                                                                                                 |
| Wire strip length                       | 18 mm                                                                                                                                                                                                                                                                          |               |                                                                                                 |
| Approvals                               |    KEMA 03 ATEX 2057 U |               |                                                                                                 |
| <b>Technical data</b>                   | <b>IEC</b>                                                                                                                                                                                                                                                                     | <b>UL</b>     | <b>CSA</b>  |
|                                         | EN 60 947-7-1                                                                                                                                                                                                                                                                  |               | EN 60 079-0/-7                                                                                  |
| Cross section fine-stranded             | 2.5–35 mm <sup>2</sup>                                                                                                                                                                                                                                                         |               | 2.5–35 mm <sup>2</sup>                                                                          |
| Cross section solid/stranded            | 2.5–35 mm <sup>2</sup>                                                                                                                                                                                                                                                         |               | 2.5–35 mm <sup>2</sup>                                                                          |
| Cross section, AWG                      |                                                                                                                                                                                                                                                                                | 12–2          | 12–2                                                                                            |
| Rated current                           |                                                                                                                                                                                                                                                                                |               |                                                                                                 |
| Rated voltage                           | 800 V                                                                                                                                                                                                                                                                          | 600 V         | 600 V                                                                                           |
| Rated impulse voltage                   | 8 kV                                                                                                                                                                                                                                                                           |               | 690 V                                                                                           |
| Pollution degree                        | 3                                                                                                                                                                                                                                                                              |               |                                                                                                 |
| <b>Accessories</b>                      |                                                                                                                                                                                                                                                                                |               |                                                                                                 |
| Cross connector, insulated              | 2 pole                                                                                                                                                                                                                                                                         | IVB WKF 35–2  | Z7.285.6227.0                                                                                   |
| Cover with warning symbol over 4 blocks |                                                                                                                                                                                                                                                                                | ADF 35/5 GELB | 04.343.9253.8                                                                                   |
| Test plug                               |                                                                                                                                                                                                                                                                                | ST 2/2,3      | Z5.553.2921.0                                                                                   |

## Accessories for **fasis** WKFN 10 SL/... and WKFN 16 SL/...



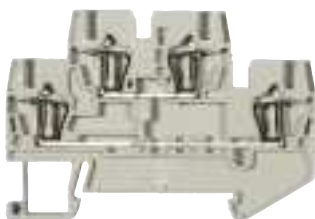
| Accessories                             | Type             | Part No.      | Std. Pack     |
|-----------------------------------------|------------------|---------------|---------------|
| Test plug                               | ST 2/2,3         | Z5.553.2921.0 | 10            |
| Screwdriver, uninsulated                | DIN 5264 B 1x5,5 | 06.502.4200.0 | 5             |
| <b>for WKFN 10 ...</b>                  |                  |               |               |
| Cross connector, insulated**            | 2 pole           | IVB WKF 10–2  | Z7.283.8227.0 |
| Cover with warning symbol over 4 blocks | yellow           | ADF 10/4 GELB | 04.343.6453.8 |
| <b>for WKFN 16 ...</b>                  |                  |               |               |
| Cross connector, insulated*             | 2 pole           | IVB WKF 16–2  | Z7.284.4227.0 |
| Cover with warning symbol over 4 blocks | yellow           | ADF 16/4 GELB | 04.343.6653.8 |

\*\* When cross connectors are used acc. to EN 60079-0 and EN 60079-7 the current must be reduced to 4 A/40 K or 5 A/45 K for type WKFN 10/35.

## Multi-tier terminal blocks with tension spring connection

### WKF 1,5 E2/35

- Multi-tier block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                       | Part No.      | Std. Pack                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|
| Multi-tier block, gray                | WKF 1,5 E2/35                                                                                                                                                                                                                              | 56.702.7653.0 | 50                       |
| <b>General data</b>                   |                                                                                                                                                                                                                                            |               |                          |
| Width / length / height, incl. TS 7.5 | 4 mm / 68 mm / 47 mm                                                                                                                                                                                                                       |               |                          |
| Wire strip length                     | 10 mm                                                                                                                                                                                                                                      |               |                          |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U                                                                                                                                |               |                          |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                 | <b>UL</b>     | <b>CSA</b>               |
|                                       | EN 60 947-7-1                                                                                                                                                                                                                              |               | EN 60 079-0/-7           |
| Cross section fine-stranded           | 0.08–1.5 mm <sup>2</sup>                                                                                                                                                                                                                   |               | 0.14–1.5 mm <sup>2</sup> |
| Cross section solid/stranded          | 0.08–1.5 mm <sup>2</sup>                                                                                                                                                                                                                   |               | 0.14–1.5 mm <sup>2</sup> |
| Cross section, AWG                    |                                                                                                                                                                                                                                            | 26–14         | 26–14                    |
| Rated current                         | 17,5 A                                                                                                                                                                                                                                     | 15 A          | 15 A                     |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                      | 300 V         | 300 V                    |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                       |               | 440 V <sup>2)</sup>      |
| Pollution degree                      | 3                                                                                                                                                                                                                                          |               |                          |
| <b>Note</b>                           | <sup>1)</sup> Rated current when using cross connectors<br><sup>2)</sup> For maintaining the proper isolation distances, the open side of a feed-through terminal block as well as both sides of a jumper are to be covered by partitions. |               |                          |

### WKF 1,5 E2/VB/35

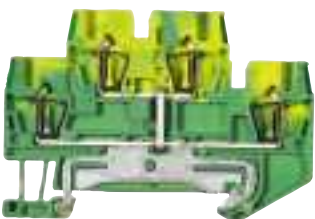
- Multi-tier block, vertically connected, with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                       | Part No.      | Std. Pack                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|
| Multi-tier block, black               | WKF 1,5 E2/VB/35                                                                                                                                                                                                                           | 56.702.6953.1 | 50                       |
| <b>General data</b>                   |                                                                                                                                                                                                                                            |               |                          |
| Width / length / height, incl. TS 7.5 | 4 mm / 68 mm / 47 mm                                                                                                                                                                                                                       |               |                          |
| Wire strip length                     | 10 mm                                                                                                                                                                                                                                      |               |                          |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U                                                                                                                              |               |                          |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                 | <b>UL</b>     | <b>CSA</b>               |
|                                       | EN 60 947-7-1                                                                                                                                                                                                                              |               | EN 60 079-0/-7           |
| Cross section fine-stranded           | 0.08–1.5 mm <sup>2</sup>                                                                                                                                                                                                                   |               | 0.14–1.5 mm <sup>2</sup> |
| Cross section solid/stranded          | 0.08–1.5 mm <sup>2</sup>                                                                                                                                                                                                                   |               | 0.14–1.5 mm <sup>2</sup> |
| Cross section, AWG                    |                                                                                                                                                                                                                                            | 26–14         | 26–14                    |
| Rated current                         | 17,5 A                                                                                                                                                                                                                                     | 15 A          | 15 A                     |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                      | 300 V         | 300 V                    |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                       |               | 440 V <sup>2)</sup>      |
| Pollution degree                      | 3                                                                                                                                                                                                                                          |               |                          |
| <b>Note</b>                           | <sup>1)</sup> Rated current when using cross connectors<br><sup>2)</sup> For maintaining the proper isolation distances, the open side of a feed-through terminal block as well as both sides of a jumper are to be covered by partitions. |               |                          |

### WKF 1,5 E2/SL/35

- Multi-tier ground block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                            | Part No.      | Std. Pack                |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|
| Multi-tier ground block, green/yellow | WKF 1,5 E2/SL/35                                                                                                                                                                | 56.702.9253.0 | 50                       |
| <b>General data</b>                   |                                                                                                                                                                                 |               |                          |
| Width / length / height, incl. TS 7.5 | 4 mm / 68 mm / 47 mm                                                                                                                                                            |               |                          |
| Wire strip length                     | 10 mm                                                                                                                                                                           |               |                          |
| Approvals                             | ATEX  KEMA 03 ATEX 2056 U                                                                   |               |                          |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                      | <b>UL</b>     | <b>CSA</b>               |
|                                       | EN 60 947-7-2                                                                                                                                                                   |               | EN 60 079-0/-7           |
| Cross section fine-stranded           | 0.08–1.5 mm <sup>2</sup>                                                                                                                                                        |               | 0.14–1.5 mm <sup>2</sup> |
| Cross section solid/stranded          | 0.08–1.5 mm <sup>2</sup>                                                                                                                                                        |               | 0.14–1.5 mm <sup>2</sup> |
| Cross section, AWG                    |                                                                                                                                                                                 | 26–14         | 26–14                    |
| Rated current                         |                                                                                                                                                                                 |               |                          |
| Rated voltage                         | 500 V                                                                                                                                                                           | 300 V         | 300 V                    |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                            |               |                          |
| Pollution degree                      | 3                                                                                                                                                                               |               |                          |
| <b>Note</b>                           | <sup>1)</sup> For maintaining the proper isolation distances, the open side of a feed-through terminal block as well as both sides of a jumper are to be covered by partitions. |               |                          |

## Accessories for *fasis* WKF 1,5...

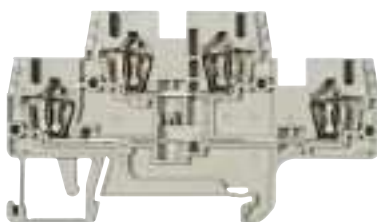
| Accessories                                                                         |                                         | Type                     | Part No.        | Std. Pack     |
|-------------------------------------------------------------------------------------|-----------------------------------------|--------------------------|-----------------|---------------|
|  | End plate                               | gray APF 1,5 E2          | 07.312.8753.0   | 10            |
|                                                                                     | Partition                               | gray TWf 1,5 E2          | 07.312.8853.0   | 10            |
|                                                                                     | Cross connector, insulated              | 2 pole                   | IVB WKF 1,5-2   | Z7.268.0227.0 |
|                                                                                     |                                         | 3 pole                   | IVB WKF 1,5-3   | Z7.268.0327.0 |
|                                                                                     |                                         | 4 pole                   | IVB WKF 1,5-4   | Z7.268.0427.0 |
|                                                                                     |                                         | 5 pole                   | IVB WKF 1,5-5   | Z7.268.0527.0 |
|                                                                                     |                                         | 10 pole                  | IVB WKF 1,5-10  | Z7.268.1027.0 |
|                                                                                     |                                         | 20 pole                  | IVB WKF 1,5-20  | Z7.268.2027.0 |
|                                                                                     | Wire entry guide                        | 0.13-0.2 mm <sup>2</sup> | LEL 1,5/1 WEISS | 05.564.4253.0 |
|                                                                                     |                                         | 0.25-0.5 mm <sup>2</sup> | LEL 1,5/2 GRAU  | 05.564.4353.0 |
|                                                                                     | Cover with warning symbol over 5 blocks | yellow ADF 1,5/5 GELB    | 04.343.6953.8   | 10            |
|                                                                                     | Marking tag carrier, 2-fold             | BT 4/2                   | 04.243.0953.0   | 100           |
|                                                                                     | Screwdriver, uninsulated                | DIN 5264 B 0,4x2,5       | 06.502.4300.0   | 5             |

## Multi-tier blocks with tension spring connection

### WKFN 2,5 E/35

### WKFN 2,5 E/N/D/35

- Multi-tier block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                      | Type              | Part No.      | Std. Pack |
|----------------------------------|-------------------|---------------|-----------|
| Multi-tier block, gray           | WKFN 2,5 E/35     | 56.703.7055.0 | 100       |
| Multi-tier block, combined, gray | WKFN 2,5 E/N/D/35 | 56.703.7655.0 | 100       |

| General data                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |       |       |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|
| Width / length / height, incl. TS 7.5                                                                                        | 5 mm / 82 mm / 48 mm                                                                                                                                                                                                                                                                                                                                                |       |       |                                                                                     |
| Wire strip length                                                                                                            | 11 mm                                                                                                                                                                                                                                                                                                                                                               |       |       |                                                                                     |
| Approvals                                                                                                                    | PTB     PTB 04 ATEX 1051 U |       |       |                                                                                     |
| Technical data                                                                                                               | IEC                                                                                                                                                                                                                                                                                                                                                                 | UL    | CSA   |  |
| EN 60 947-7-1                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                     |       |       | EN 60 079-0/-7                                                                      |
| Cross section fine-stranded                                                                                                  | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                            |       |       | 0.2–2.5 mm <sup>2</sup>                                                             |
| Cross section solid/stranded                                                                                                 | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                              |       |       | 0.13–4 mm <sup>2</sup>                                                              |
| Cross section, AWG                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                     | 22–12 | 24–12 |                                                                                     |
| Rated current                                                                                                                | 24 A                                                                                                                                                                                                                                                                                                                                                                | 20 A  | 24 A  | 20/21,5 A <sup>1)</sup>                                                             |
| Rated voltage                                                                                                                | 500 V                                                                                                                                                                                                                                                                                                                                                               | 300 V | 300 V | 440/275 V <sup>2)</sup>                                                             |
| Rated impulse voltage                                                                                                        | 6 kV                                                                                                                                                                                                                                                                                                                                                                |       |       |                                                                                     |
| Pollution degree                                                                                                             | 3                                                                                                                                                                                                                                                                                                                                                                   |       |       |                                                                                     |
| <b>Note</b> <sup>1)</sup> 1. value at 40 K / 2. value at 45 K<br><sup>2)</sup> When using cross connectors on the upper tier |                                                                                                                                                                                                                                                                                                                                                                     |       |       |                                                                                     |

### WKFN 2,5 E/N/D/35

|            | Function     | Color ID |
|------------|--------------|----------|
| Upper tier | Feed-through | blue     |
| Lower tier | Feed-through | gray     |

### WKFN 2,5 E/VB/35

- Multi-tier block, vertically connected, with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143

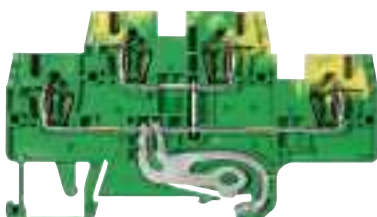


| Description             | Type             | Part No.      | Std. Pack |
|-------------------------|------------------|---------------|-----------|
| Multi-tier block, black | WKFN 2,5 E/VB/35 | 56.703.6955.1 | 100       |

| General data                                                  |                                                                                                                                                                                                                                                                                                                                                                             |       |       |                                                                                       |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|---------------------------------------------------------------------------------------|
| Width / length / height, incl. TS 7.5                         | 5 mm / 82 mm / 48 mm                                                                                                                                                                                                                                                                                                                                                        |       |       |                                                                                       |
| Wire strip length                                             | 11 mm                                                                                                                                                                                                                                                                                                                                                                       |       |       |                                                                                       |
| Approvals                                                     | PTB     PTB 04 ATEX 1051 U |       |       |                                                                                       |
| Technical data                                                | IEC                                                                                                                                                                                                                                                                                                                                                                         | UL    | CSA   |  |
| EN 60 947-7-1                                                 |                                                                                                                                                                                                                                                                                                                                                                             |       |       | EN 60 079-0/-7                                                                        |
| Cross section fine-stranded                                   | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |       |       | 0.2–2.5 mm <sup>2</sup>                                                               |
| Cross section solid/stranded                                  | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                      |       |       | 0.13–4 mm <sup>2</sup>                                                                |
| Cross section, AWG                                            |                                                                                                                                                                                                                                                                                                                                                                             | 22–12 | 24–12 |                                                                                       |
| Rated current                                                 | 24 A                                                                                                                                                                                                                                                                                                                                                                        | 20 A  | 24 A  | 20/21,5 A <sup>1)</sup>                                                               |
| Rated voltage                                                 | 500 V                                                                                                                                                                                                                                                                                                                                                                       | 600 V | 600 V | 440 V                                                                                 |
| Rated impulse voltage                                         | 6 kV                                                                                                                                                                                                                                                                                                                                                                        |       |       |                                                                                       |
| Pollution degree                                              | 3                                                                                                                                                                                                                                                                                                                                                                           |       |       |                                                                                       |
| <b>Note</b> <sup>1)</sup> 1. value at 40 K / 2. value at 45 K |                                                                                                                                                                                                                                                                                                                                                                             |       |       |                                                                                       |

### WKFN 2,5 E/SL/35

- Ground block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                | Type             | Part No.      | Std. Pack |
|----------------------------|------------------|---------------|-----------|
| Ground block, green/yellow | WKFN 2,5 E/SL/35 | 56.703.8955.0 | 100       |

| General data                          |                                                                                                                                                                                                                                                                                                                                                                             |       |       |                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|---------------------------------------------------------------------------------------|
| Width / length / height, incl. TS 7.5 | 5 mm / 82 mm / 48 mm                                                                                                                                                                                                                                                                                                                                                        |       |       |                                                                                       |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                       |       |       |                                                                                       |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |       |       |                                                                                       |
| Technical data                        | IEC                                                                                                                                                                                                                                                                                                                                                                         | UL    | CSA   |  |
| EN 60 947-7-2                         |                                                                                                                                                                                                                                                                                                                                                                             |       |       | EN 60 079-0/-7                                                                        |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |       |       | 0.2–2.5 mm <sup>2</sup>                                                               |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                      |       |       | 0.13–4 mm <sup>2</sup>                                                                |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                             | 22–12 | 24–12 |                                                                                       |
| Rated current                         |                                                                                                                                                                                                                                                                                                                                                                             |       |       |                                                                                       |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                                                                                                                       | 600 V | 600 V |                                                                                       |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                                                                                                                        |       |       |                                                                                       |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                           |       |       |                                                                                       |

## WKFN 2,5 E/D/SL/35 WKFN 2,5 E/N/SL/35

- Multi-tier block, combined, with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2

Follow the EX installation instructions on page 143



| Description                      | Type               | Part No.      | Std. Pack |
|----------------------------------|--------------------|---------------|-----------|
| Multi-tier block, combined, gray | WKFN 2,5 E/D/SL/35 | 56.703.7855.0 | 100       |
| Multi-tier block, combined, gray | WKFN 2,5 E/N/SL/35 | 56.703.7755.0 | 100       |

| General data                          |                                                                                                                                                                                                                                                                               |       |       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|
| Width / length / height, incl. TS 7.5 | 5 mm / 82 mm / 48 mm                                                                                                                                                                                                                                                          |       |       |                                                                                     |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                         |       |       |                                                                                     |
| Approvals                             |    PTB 04 ATEX 1051 U |       |       |                                                                                     |
| Technical data                        | IEC                                                                                                                                                                                                                                                                           | UL    | CSA   |  |
| EN 60 947-7-1                         |                                                                                                                                                                                                                                                                               |       |       | EN 60 079-0/-7                                                                      |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                      |       |       |                                                                                     |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                        |       |       |                                                                                     |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                               | 22–12 | 24–12 |                                                                                     |
| Rated current                         | 24 A                                                                                                                                                                                                                                                                          | 20 A  | 24 A  |                                                                                     |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                         | 300 V | 300 V |                                                                                     |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                          |       |       |                                                                                     |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                             |       |       |                                                                                     |

### WKFN 2,5 E/D/SL/35

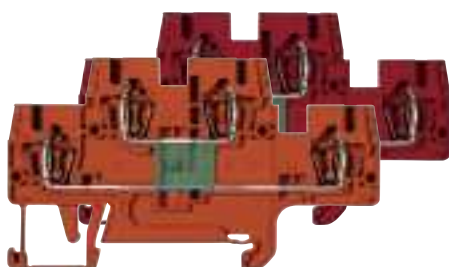
|            | Function         | Color ID     |
|------------|------------------|--------------|
| Upper tier | Feed-through     | gray         |
| Lower tier | Ground conductor | green/yellow |

### WKFN 2,5 E/N/SL/35

|            | Function         | Color ID     |
|------------|------------------|--------------|
| Upper tier | Feed-through     | blue         |
| Lower tier | Ground conductor | green/yellow |

## WKFN 2,5 E...G

- Multi-tier function block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>

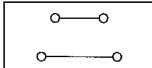
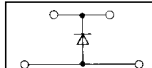
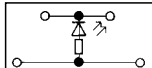
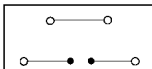
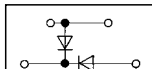
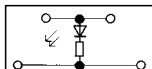
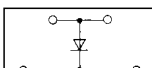
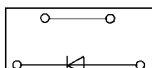
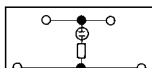


| Description                       | Type             | Part No.      | Std. Pack |
|-----------------------------------|------------------|---------------|-----------|
| Multi-tier function block, red    | WKFN 2,5 E.../35 | 56.703.XX55.5 | 100       |
| Multi-tier function block, orange | WKFN 2,5 E.../35 | 56.703.XX55.9 | 100       |

| General data                          |                                                                                                                                                                                                                                                                  |       |       |  |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--|
| Width / length / height, incl. TS 7.5 | 5 mm / 82 mm / 48 mm                                                                                                                                                                                                                                             |       |       |  |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                            |       |       |  |
| Approvals                             |    |       |       |  |
| Technical data                        | IEC                                                                                                                                                                                                                                                              | UL    | CSA   |  |
| EN 60 947-7-1                         |                                                                                                                                                                                                                                                                  |       |       |  |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                         |       |       |  |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                           |       |       |  |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                  | 22–12 | 24–12 |  |

## Function diagram for *fasis* WKFN 2,5 E...

The multi-tier block is available on request as a function block for a wide variety of switching tasks.

|                                |                                                                                     |                       |                                                                                     |                                                                                     |                          |                                                                                       |                                                                                       |                                           |
|--------------------------------|-------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------|
| 56.703.7555.9<br>56.703.7555.5 |  | 56.703.8255.5         |  | I = 1 A<br>U = 1000 V                                                               | 56.703.7455.9<br>LED red |  | R = 4.7 kΩ<br>P = 0.5 W<br>U = 24 V DC                                                |                                           |
| 56.703.7155.5<br>56.703.7155.9 |  | 56.703.7955.5         |  | I = 1 A<br>U = 1000 V                                                               | 56.703.7255.5<br>LED red |  | R = 4.7 kΩ<br>P = 0.5 W<br>U = 24 V DC                                                |                                           |
| 56.703.8055.9                  |  | I = 1 A<br>U = 1000 V | 56.703.8355.5                                                                       |  | I = 1 A<br>U = 1000 V    | 56.703.7355.5                                                                         |  | R = 680 kΩ<br>P = 0.25 W<br>U = 100-500 V |

## Accessories for *fasis* WKFN 2,5 E/...



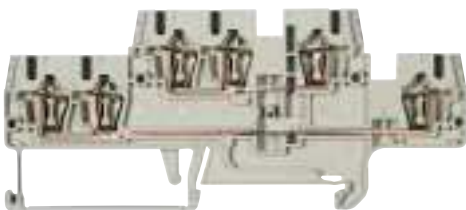
| Accessories                             | Type                               | Part No.      | Std. Pack |
|-----------------------------------------|------------------------------------|---------------|-----------|
| End plate                               | gray<br>APFN 2,5 E                 | 07.312.7355.0 | 10        |
| Partition                               | gray<br>WFN 2,5 E                  | 07.312.7455.0 | 10        |
| Cross connector, insulated              | 2 pole<br>IVB WKF 2,5–2            | Z7.280.6227.0 | 10        |
|                                         | 3 pole<br>IVB WKF 2,5–3            | Z7.280.6327.0 | 10        |
|                                         | 4 pole<br>IVB WKF 2,5–4            | Z7.280.6427.0 | 10        |
|                                         | 5 pole<br>IVB WKF 2,5–5            | Z7.280.6527.0 | 10        |
|                                         | 10 pole<br>IVB WKF 2,5–10          | Z7.280.7027.0 | 20        |
|                                         | 20 pole<br>IVB WKF 2,5–20          | Z7.280.8027.0 | 20        |
| Vertical cross connector                | 1 pole<br>IVB WKF–V                | Z7.261.1127.0 | 10        |
| Wire entry guide                        | 0.13–0.2 mm²<br>LELN 2,5/1 WEISS   | 05.564.3755.0 | 100       |
|                                         | 0.25–0.5 mm²<br>LELN 2,5/2 GRAU    | 05.564.3855.0 | 100       |
|                                         | 0.75–1.0 mm²<br>LELN 2,5/3 SCHWARZ | 05.564.3955.0 | 100       |
| Cover with warning symbol over 4 blocks | yellow<br>ADFN 2,5/4 GELB          | 04.343.8353.8 | 10        |
| Marking tag carrier, 2-fold             | BT 5/2                             | 04.243.0855.0 | 100       |

## Duo multi-tier terminal blocks with tension spring connection

### WKFN 2,5 E1/2/35

### WKFN 2,5 E1/2/N/D/35

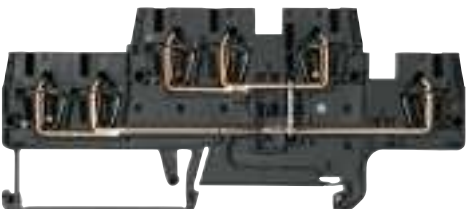
- Duo multi-tier block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                | Part No.      | Std. Pack                                                                                      |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|
| Multi-tier block, gray                | WKFN 2,5 E1/2/35                                                                                                                                                                                                                                                                                                                                                    | 56.703.6055.0 | 50                                                                                             |
| Multi-tier block, combined, gray      | WKFN 2,5 E1/2/N/D/35                                                                                                                                                                                                                                                                                                                                                | 56.703.6355.0 | 50                                                                                             |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                     |               |                                                                                                |
| Width / length / height, incl. TS 7.5 | 5 mm / 107 mm / 48 mm                                                                                                                                                                                                                                                                                                                                               |               |                                                                                                |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                                |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                          | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-1                                                                                                                                                                                                                                                                                                                                                       |               | EN 60 079-0/-7                                                                                 |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                            |               | 0.2–2.5 mm <sup>2</sup>                                                                        |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                              |               | 0.13–4 mm <sup>2</sup>                                                                         |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                     | 22–12         | 24–12                                                                                          |
| Rated current                         | 22 A                                                                                                                                                                                                                                                                                                                                                                | 20 A          | 24 A                                                                                           |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                                                                                                               | 300 V         | 300 V                                                                                          |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                                                                                                                |               | 440/275 V <sup>1)</sup>                                                                        |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                                |
| <b>Note</b>                           | <sup>1)</sup> 1. value at 40 K / 2. value at 45 K<br><sup>2)</sup> When using cross connectors on the upper tier                                                                                                                                                                                                                                                    |               |                                                                                                |

### WKFN 2,5 E1/2/VB/35

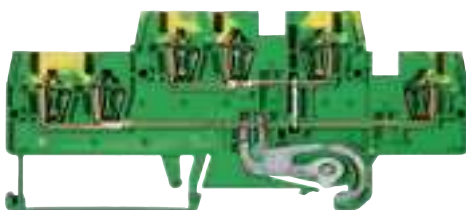
- Duo multi-tier block, vertically connected, with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                        | Part No.      | Std. Pack                                                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------|
| Multi-tier block, black               | WKFN 2,5 E1/2/VB/35                                                                                                                                                                                                                                                                                                                                                         | 56.703.5955.1 | 50                                                                                        |
| General data                          |                                                                                                                                                                                                                                                                                                                                                                             |               |                                                                                           |
| Width / length / height, incl. TS 7.5 | 5 mm / 107 mm / 48 mm                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                           |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                           |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                           |
| Technical data                        | IEC                                                                                                                                                                                                                                                                                                                                                                         | UL            | CSA  |
|                                       | EN 60 947-7-1                                                                                                                                                                                                                                                                                                                                                               |               | EN 60 079-0/-7                                                                            |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |               | 0.2–2.5 mm <sup>2</sup>                                                                   |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                      |               | 0.13–4 mm <sup>2</sup>                                                                    |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                             | 22–12         | 24–12                                                                                     |
| Rated current                         | 22 A                                                                                                                                                                                                                                                                                                                                                                        | 20 A          | 24 A                                                                                      |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                                                                                                                       | 300 V         | 300 V                                                                                     |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                                                                                                                        |               | 440 V                                                                                     |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                           |
| Note                                  | <sup>1)</sup> 1. value at 40 K / 2. value at 45 K                                                                                                                                                                                                                                                                                                                           |               |                                                                                           |
| Accessories                           |                                                                                                                                                                                                                                                                                                                                                                             |               |                                                                                           |
| Partition, gray                       | TWFN 2,5 E1/2                                                                                                                                                                                                                                                                                                                                                               | 07.312.7855.0 | 10                                                                                        |

### WKFN 2,5 E1/2/SL/35

- Duo multi-tier ground block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                        | Part No.      | Std. Pack                                                                                        |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------|
| Ground block, green/yellow            | WKFN 2,5 E1/2/SL/35                                                                                                                                                                                                                                                                                                                                                         | 56.703.6255.0 | 50                                                                                               |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                             |               |                                                                                                  |
| Width / length / height, incl. TS 7.5 | 5 mm / 107 mm / 48 mm                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                                  |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                       |               |                                                                                                  |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                                                                                                  |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                                  | <b>UL</b>     | <b>CSA</b>  |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                                                                                                               |               | EN 60 079-0/-7                                                                                   |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |               | 0.2–2.5 mm <sup>2</sup>                                                                          |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                      |               | 0.13–4 mm <sup>2</sup>                                                                           |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                             | 22–12         | 24–12                                                                                            |
| Rated current                         |                                                                                                                                                                                                                                                                                                                                                                             |               |                                                                                                  |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                                                                                                                       | 600 V         | 600 V                                                                                            |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                                                                                                                        |               |                                                                                                  |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                           |               |                                                                                                  |

## WKFN 2,5 E1/2/D/SL/35 WKFN 2,5 E1/2/N/SL/35

- Duo multi-tier block, combined, with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                      | Part No.      | Std. Pack      |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|
| Multi-tier block, combined, gray      | WKFN 2,5 E1/2/D/SL/35                                                                                                                                                                     | 56.703.6155.0 | 50             |
| Multi-tier block, combined, gray      | WKFN 2,5 E1/2/N/SL/35                                                                                                                                                                     | 56.703.6455.0 | 50             |
| <b>General data</b>                   |                                                                                                                                                                                           |               |                |
| Width / length / height, incl. TS 7.5 | 5 mm / 107 mm / 48 mm                                                                                                                                                                     |               |                |
| Wire strip length                     | 11 mm                                                                                                                                                                                     |               |                |
| Approvals                             |   PTB 04 ATEX 1051 U |               |                |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                | <b>UL</b>     | <b>CSA</b>     |
|                                       | EN 60 947-7-1                                                                                                                                                                             |               | EN 60 079-0/-7 |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                  |               |                |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                    |               |                |
| Cross section, AWG                    |                                                                                                                                                                                           | 22–12         | 24–12          |
| Rated current                         | 22 A                                                                                                                                                                                      | 20 A          | 24 A           |
| Rated voltage                         | 500 V                                                                                                                                                                                     | 300 V         | 300 V          |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                      |               |                |
| Pollution degree                      | 3                                                                                                                                                                                         |               |                |

### WKFN 2,5 E1/2/35

Block color: gray

|            | Function     | Color ID |
|------------|--------------|----------|
| Upper tier | Feed-through | gray     |
| Lower tier | Feed-through | gray     |

### WKFN 2,5 E1/2/D/SL/35

Block color: gray

|            | Function         | Color ID     |
|------------|------------------|--------------|
| Upper tier | Feed-through     | gray         |
| Lower tier | Ground conductor | green/yellow |

### WKFN 2,5 E1/2/N/D/35

Block color: gray

|            | Function     | Color ID |
|------------|--------------|----------|
| Upper tier | Feed-through | blue     |
| Lower tier | Feed-through | gray     |

### WKFN 2,5 E1/2/N/SL/35

Block color: gray

|            | Function         | Color ID     |
|------------|------------------|--------------|
| Upper tier | Feed-through     | blue         |
| Lower tier | Ground conductor | green/yellow |

### WKFN 2,5 E1/2/VB/35

Block color: black

|            | Function       | Color ID |
|------------|----------------|----------|
| Upper tier | Feed-through   | black    |
| Lower tier | vert. jumpered | black    |

### WKFN 2,5 E1/2/SL/35

Block color: green/yellow

|            | Function         | Color ID     |
|------------|------------------|--------------|
| Upper tier | Ground conductor | green/yellow |
| Lower tier | vert. jumpered   | green/yellow |

## Accessories for **fasis** WKFN 2,5 E1/2/...

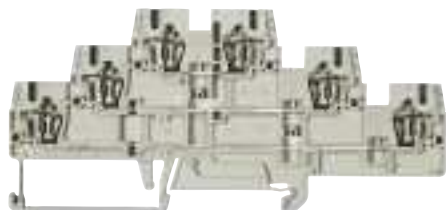


| Accessories                             | Type                     | Part No.           | Std. Pack     |
|-----------------------------------------|--------------------------|--------------------|---------------|
| End plate                               | gray                     | APFN 2,5 E1/2      | 07.312.7755.0 |
| Partition                               | gray                     | TWFN 2,5 E1/2      | 07.312.7855.0 |
| Cross connector, insulated              | 2 pole                   | IVB WKFN 2,5–2     | Z7.280.6227.0 |
|                                         | 3 pole                   | IVB WKFN 2,5–3     | Z7.280.6327.0 |
|                                         | 4 pole                   | IVB WKFN 2,5–4     | Z7.280.6427.0 |
|                                         | 5 pole                   | IVB WKFN 2,5–5     | Z7.280.6527.0 |
|                                         | 10 pole                  | IVB WKFN 2,5–10    | Z7.280.7027.0 |
|                                         | 20 pole                  | IVB WKFN 2,5–20    | Z7.280.8027.0 |
| Vertical cross connector                | 1 pole                   | IVB WKFN–V         | Z7.261.1127.0 |
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> | LELN 2,5/1 WEISS   | 05.564.3755.0 |
|                                         | 0.25–0.5 mm <sup>2</sup> | LELN 2,5/2 GRAU    | 05.564.3855.0 |
|                                         | 0.75–1.0 mm <sup>2</sup> | LELN 2,5/3 SCHWARZ | 05.564.3955.0 |
| Cover with warning symbol over 4 blocks | yellow                   | ADFN 2,5/4 GELB    | 04.343.8353.8 |
| Marking tag carrier, 2-fold             | BT 5/2                   |                    | 04.243.0855.0 |
| Test adapter, modular                   | PS WKCF                  |                    | Z1.299.9753.0 |
| Test plug                               | ST 2/2,3                 |                    | Z5.553.2921.0 |
| Screwdriver, uninsulated                | DIN 5264 B 0,6x3,5       |                    | 06.502.4000.0 |
| Screwdriver, uninsulated, MINI          | DIN 5264 B 0,6x3,5 M     |                    | 06.502.5000.0 |

## Multi-tier terminal blocks with tension spring connection

### WKFN 2,5 E3/35

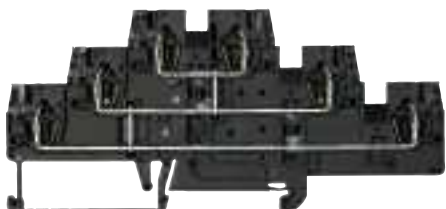
- Multi-tier block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                | Part No.      | Std. Pack               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|
| Multi-tier block, gray                | WKFN 2,5 E3/35                                                                                                                                                                                                                                                                                                                                                      | 56.703.3055.0 | 50                      |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                     |               |                         |
| Width / length / height, incl. TS 7.5 | 5 mm / 123 mm / 59 mm                                                                                                                                                                                                                                                                                                                                               |               |                         |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                               |               |                         |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                         |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                          | <b>UL</b>     | <b>CSA</b>              |
|                                       | EN 60 947-7-1                                                                                                                                                                                                                                                                                                                                                       |               | EN 60 079-0/-7          |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                            |               | 0.2–2.5 mm <sup>2</sup> |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                              |               | 0.13–4 mm <sup>2</sup>  |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                     | 22–12         | 24–12                   |
| Rated current                         | 20 A                                                                                                                                                                                                                                                                                                                                                                | 20 A          | 24 A                    |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                                                                                                               | 300 V         | 300 V                   |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                                                                                                                |               |                         |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                   |               |                         |
| <b>Note</b>                           | <sup>1)</sup> 1. value at 40 K / 2. value at 45 K<br><sup>2)</sup> When using cross connectors on the upper tier                                                                                                                                                                                                                                                    |               |                         |

### WKFN 2,5 E3/VB/35

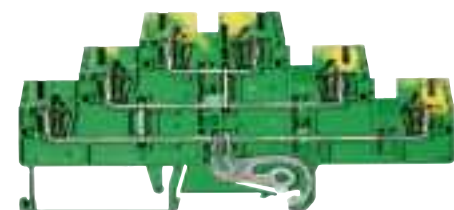
- Multi-tier block, vertically connected, with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                        | Part No.      | Std. Pack               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|
| Multi-tier block, black               | WKFN 2,5 E3/VB/35                                                                                                                                                                                                                                                                                                                                                           | 56.703.2955.1 | 50                      |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                             |               |                         |
| Width / length / height, incl. TS 7.5 | 5 mm / 123 mm / 59 mm                                                                                                                                                                                                                                                                                                                                                       |               |                         |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                       |               |                         |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                         |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                                  | <b>UL</b>     | <b>CSA</b>              |
|                                       | EN 60 947-7-1                                                                                                                                                                                                                                                                                                                                                               |               | EN 60 079-0/-7          |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |               | 0.2–2.5 mm <sup>2</sup> |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                      |               | 0.13–4 mm <sup>2</sup>  |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                             | 22–12         | 24–12                   |
| Rated current                         | 20 A                                                                                                                                                                                                                                                                                                                                                                        | 20 A          | 24 A                    |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                                                                                                                       | 600 V         | 600 V                   |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                                                                                                                        |               |                         |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                           |               |                         |
| <b>Note</b>                           | <sup>1)</sup> 1. value at 40 K / 2. value at 45 K                                                                                                                                                                                                                                                                                                                           |               |                         |

### WKFN 2,5 E3/SL/35

- Multi-tier ground block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143

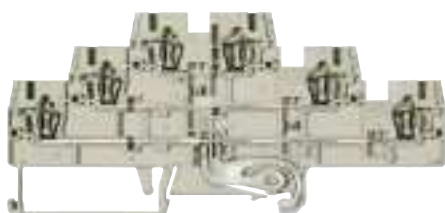


| Description                           | Type                                                                                                                                                                                                                                                                                                                                                                        | Part No.      | Std. Pack               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|
| Multi-tier ground block, green/yellow | WKFN 2,5 E/SL/35                                                                                                                                                                                                                                                                                                                                                            | 56.703.8855.0 | 50                      |
| <b>General data</b>                   |                                                                                                                                                                                                                                                                                                                                                                             |               |                         |
| Width / length / height, incl. TS 7.5 | 5 mm / 123 mm / 59 mm                                                                                                                                                                                                                                                                                                                                                       |               |                         |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                                                                                                                       |               |                         |
| Approvals                             | PTB     PTB 04 ATEX 1051 U |               |                         |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                                                                                                                                                  | <b>UL</b>     | <b>CSA</b>              |
|                                       | EN 60 947-7-2                                                                                                                                                                                                                                                                                                                                                               |               | EN 60 079-0/-7          |
| Cross section fine-stranded           | 0.13–2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                    |               | 0.2–2.5 mm <sup>2</sup> |
| Cross section solid/stranded          | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                      |               | 0.13–4 mm <sup>2</sup>  |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                                                                                                             | 22–12         | 24–12                   |
| Rated current                         |                                                                                                                                                                                                                                                                                                                                                                             |               |                         |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                                                                                                                       | 600 V         | 600 V                   |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                                                                                                                        |               |                         |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                                                                                                           |               |                         |

# Multi-tier/Motor connection block with tension spring connection

## WKFN 2,5 E3/D/D/SL/35 WKFN 2,5 E3/N/D/SL/35

- Multi-tier block, combined, with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description            | Type                  | Part No.      | Std. Pack |
|------------------------|-----------------------|---------------|-----------|
| Multi-tier block, gray | WKFN 2,5 E3/D/D/SL/35 | 56.703.3355.0 | 50        |
| Multi-tier block, gray | WKFN 2,5 E3/N/D/SL/35 | 56.703.3255.0 | 50        |

| General data                          |                                                                                                                                                                                                                                                                                   |         |         |                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|-------------------------------------------------------------------------------------|
| Width / length / height, incl. TS 7.5 | 5 mm / 123 mm / 59 mm                                                                                                                                                                                                                                                             |         |         |                                                                                     |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                                                             |         |         |                                                                                     |
| Approvals                             | PTB    PTB 04 ATEX 1051 U |         |         |                                                                                     |
| Technical data                        | IEC                                                                                                                                                                                                                                                                               | UL      | CSA     |  |
| EN 60 947-7-1                         | EN 60 079-0/-7                                                                                                                                                                                                                                                                    |         |         |                                                                                     |
| Cross section fine-stranded           | 0.13 – 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                        |         |         |                                                                                     |
| Cross section solid/stranded          | 0.13 – 4 mm <sup>2</sup>                                                                                                                                                                                                                                                          |         |         |                                                                                     |
| Cross section, AWG                    |                                                                                                                                                                                                                                                                                   | 22 – 12 | 24 – 12 |                                                                                     |
| Rated current                         | 20 A                                                                                                                                                                                                                                                                              | 20 A    | 24 A    |                                                                                     |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                                                             | 300 V   | 300 V   |                                                                                     |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                                                              |         |         |                                                                                     |
| Pollution degree                      | 3                                                                                                                                                                                                                                                                                 |         |         |                                                                                     |

### WKFN 2,5 E3/N/D/SL/35 Block color: gray

|             | Function         | Color ID     |
|-------------|------------------|--------------|
| Upper tier  | Feed-through     | blue         |
| Center tier | Feed-through     | gray         |
| Lower tier  | Ground conductor | green/yellow |

### WKFN 2,5 E3/D/D/SL/35 Block color: gray

|             | Function         | Color ID     |
|-------------|------------------|--------------|
| Upper tier  | Feed-through     | gray         |
| Center tier | Feed-through     | gray         |
| Lower tier  | Ground conductor | green/yellow |

## WKF 4 3D/SL

- Motor connection block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                  | Type        | Part No.      | Std. Pack |
|------------------------------|-------------|---------------|-----------|
| Motor connection block, gray | WKF 4 3D/SL | 56.704.8453.0 | 50        |

| General data                          |                                                                                      |         |     |
|---------------------------------------|--------------------------------------------------------------------------------------|---------|-----|
| Width / length / height, incl. TS 7.5 | 6 mm / 100 mm / 84 mm                                                                |         |     |
| Wire strip length                     | 10 mm                                                                                |         |     |
| Approvals                             |  |         |     |
| Technical data                        | IEC                                                                                  | UL      | CSA |
| EN 60947-7-1/DIN VDE 0611 T1          |                                                                                      |         |     |
| Cross section fine-stranded           | 0.13 – 4 mm <sup>2</sup>                                                             |         |     |
| Cross section solid/stranded          | 0.13 – 4 mm <sup>2</sup>                                                             |         |     |
| Cross section, AWG                    |                                                                                      | 28 – 10 |     |
| Rated current                         | 28 A                                                                                 | 30 A    |     |
| Rated voltage                         | 800 V                                                                                | 600 V   |     |
| Rated impulse voltage                 | 8 kV                                                                                 |         |     |
| Pollution degree                      | 3                                                                                    |         |     |

# Accessories for *fasis* WKFN 2,5 E3/...



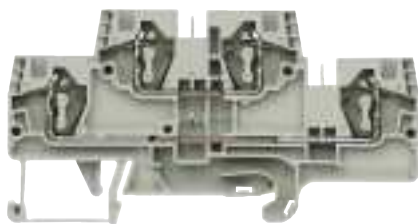
| Accessories                             | Type                                        | Part No.      | Std. Pack |
|-----------------------------------------|---------------------------------------------|---------------|-----------|
| End plate                               | gray APFN 2,5 E3                            | 07.312.7555.0 | 10        |
| Partition                               | gray TWFN 2,5 E3                            | 07.312.7655.0 | 10        |
| Cross connector, insulated              | 2 pole IVB WKF 2,5–2                        | Z7.280.6227.0 | 10        |
|                                         | 3 pole IVB WKF 2,5–3                        | Z7.280.6327.0 | 10        |
|                                         | 4 pole IVB WKF 2,5–4                        | Z7.280.6427.0 | 10        |
|                                         | 5 pole IVB WKF 2,5–5                        | Z7.280.6527.0 | 10        |
|                                         | 10 pole IVB WKF 2,5–10                      | Z7.280.7027.0 | 20        |
|                                         | 20 pole IVB WKF 2,5–20                      | Z7.280.8027.0 | 20        |
| Vertical cross connector                | 1 pole IVB WKF–V                            | Z7.261.1127.0 | 10        |
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> LELN 2,5/1 WEISS   | 05.564.3755.0 | 100       |
|                                         | 0.25–0.5 mm <sup>2</sup> LELN 2,5/2 GRAU    | 05.564.3855.0 | 100       |
|                                         | 0.75–1.0 mm <sup>2</sup> LELN 2,5/3 SCHWARZ | 05.564.3955.0 | 100       |
| Cover with warning symbol over 4 blocks | yellow ADFN 2,5/4 GELB                      | 04.343.8353.8 | 10        |
| Marking tag carrier, 2-fold             | BT 5/2                                      | 04.243.0855.0 | 100       |

## Multi-tier terminal blocks with tension spring connection

### WKFN 4 E/35

### WKFN 4 E/N/D/35

- Multi-tier block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                      | Type            | Part No.      | Std. Pack |
|----------------------------------|-----------------|---------------|-----------|
| Multi-tier block, gray           | WKFN 4 E/35     | 56.704.7055.0 | 100       |
| Multi-tier block, combined, gray | WKFN 4 E/N/D/35 | 56.704.7655.0 | 100       |

|                                       |                                                                                                                                                                                                                                                |           |            |                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------------------------------------------------------------------------------------------|
| <b>General data</b>                   |                                                                                                                                                                                                                                                |           |            |                                                                                            |
| Width / length / height, incl. TS 7.5 | 6 mm / 90 mm / 48 mm                                                                                                                                                                                                                           |           |            |                                                                                            |
| Wire strip length                     | 11 mm                                                                                                                                                                                                                                          |           |            |                                                                                            |
| Approvals                             | PTB   PTB 05 ATEX 1104 U                                                     |           |            |                                                                                            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                                                                     | <b>UL</b> | <b>CSA</b> | <b></b> |
|                                       | EN 60 947-7-1                                                                                                                                                                                                                                  |           |            | EN 60 079-0/-7                                                                             |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                                                                                                                                                         |           |            | 0.13–4 mm <sup>2</sup>                                                                     |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                                                                                                                                                         |           |            | 0.2–6 mm <sup>2</sup>                                                                      |
| Cross section, AWG                    |                                                                                                                                                                                                                                                | 24–10     | 24–10      |                                                                                            |
| Rated current                         | 32 A                                                                                                                                                                                                                                           | 30 A      | 32 A       | 27/29 A <sup>1)</sup>                                                                      |
| Rated voltage                         | 500 V                                                                                                                                                                                                                                          | 300 V     | 300 V      | 440/352 V <sup>2)</sup>                                                                    |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                                                                           |           |            |                                                                                            |
| Pollution degree                      | 3                                                                                                                                                                                                                                              |           |            |                                                                                            |
| <b>Note</b>                           | <sup>1)</sup> 1. value at 40 K / 2. value at 45 K<br><sup>2)</sup> When cross connectors are used acc. to EN 60079-0 and EN60079-7 the current must be reduced to 2 A at 45 K..<br><sup>3)</sup> When using cross connectors on the upper tier |           |            |                                                                                            |

|                        |                   |          |  |
|------------------------|-------------------|----------|--|
| <b>WKFN 4 E/N/D/35</b> | Block color: gray |          |  |
|                        | Function          | Color ID |  |
| Upper tier             | Feed-through      | blue     |  |
| Lower tier             | Feed-through      | gray     |  |

### WKFN 4 E/VB/35

- Multi-tier block, vertically connected, with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



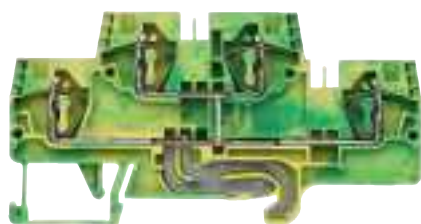
| Description             | Type           | Part No.      | Std. Pack |
|-------------------------|----------------|---------------|-----------|
| Multi-tier block, black | WKFN 4 E/VB/35 | 56.704.6955.1 | 100       |

|                                       |                                                                                                                                                                                                |           |            |                                                                                              |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------------------------------------------------------------------------------------------|
| <b>General data</b>                   |                                                                                                                                                                                                |           |            |                                                                                              |
| Width / length / height, incl. TS 7.5 | 6 mm / 90 mm / 48 mm                                                                                                                                                                           |           |            |                                                                                              |
| Wire strip length                     | 11 mm                                                                                                                                                                                          |           |            |                                                                                              |
| Approvals                             | PTB   PTB 05 ATEX 1104 U |           |            |                                                                                              |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                     | <b>UL</b> | <b>CSA</b> | <b></b> |
|                                       | EN 60 947-7-1                                                                                                                                                                                  |           |            | EN 60 079-0/-7                                                                               |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                                                                                                         |           |            | 0.13–4 mm <sup>2</sup>                                                                       |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                                                                                                         |           |            | 0.2–6 mm <sup>2</sup>                                                                        |
| Cross section, AWG                    |                                                                                                                                                                                                | 24–10     | 24–10      |                                                                                              |
| Rated current                         | 32 A                                                                                                                                                                                           | 30 A      | 32 A       | 30/31 A <sup>1)</sup>                                                                        |
| Rated voltage                         | 500 V                                                                                                                                                                                          | 600 V     | 300 V      | 440 V                                                                                        |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                           |           |            |                                                                                              |
| Pollution degree                      | 3                                                                                                                                                                                              |           |            |                                                                                              |
| <b>Note</b>                           | <sup>1)</sup> 1. value at 40 K / 2. value at 45 K                                                                                                                                              |           |            |                                                                                              |

### WKFN 4 E/SL/35

- Multi-tier ground block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2  
Follow the EX installation instructions on page 143



| Description                           | Type           | Part No.      | Std. Pack |
|---------------------------------------|----------------|---------------|-----------|
| Multi-tier ground block, green/yellow | WKFN 4 E SL/35 | 56.704.9255.0 | 100       |

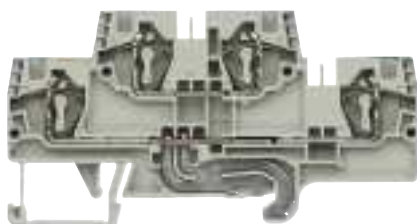
|                                       |                                                                                                                                                                                                |           |            |                                                                                              |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------------------------------------------------------------------------------------------|
| <b>General data</b>                   |                                                                                                                                                                                                |           |            |                                                                                              |
| Width / length / height, incl. TS 7.5 | 6 mm / 90 mm / 48 mm                                                                                                                                                                           |           |            |                                                                                              |
| Wire strip length                     | 11 mm                                                                                                                                                                                          |           |            |                                                                                              |
| Approvals                             | PTB   PTB 05 ATEX 1104 U |           |            |                                                                                              |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                                                                     | <b>UL</b> | <b>CSA</b> | <b></b> |
|                                       | EN 60 947-7-2                                                                                                                                                                                  |           |            | EN 60 079-0/-7                                                                               |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                                                                                                         |           |            | 0.13–4 mm <sup>2</sup>                                                                       |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                                                                                                         |           |            | 0.2–6 mm <sup>2</sup>                                                                        |
| Cross section, AWG                    |                                                                                                                                                                                                | 24–10     | 24–10      |                                                                                              |
| Rated current                         |                                                                                                                                                                                                |           |            |                                                                                              |
| Rated voltage                         | 500 V                                                                                                                                                                                          | 600 V     | 600 V      |                                                                                              |
| Rated impulse voltage                 | 6 kV                                                                                                                                                                                           |           |            |                                                                                              |
| Pollution degree                      | 3                                                                                                                                                                                              |           |            |                                                                                              |

## Multi-tier terminal blocks with tension spring connection

### WKFN 4 E/D/SL/35 WKFN 4 E/N/SL/35

- Multi-tier block, combined, with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>
- Ex e I/II  II 2GD IM2

Follow the EX installation instructions on page 143



| Description                      | Type             | Part No.      | Std. Pack |
|----------------------------------|------------------|---------------|-----------|
| Multi-tier block, combined, gray | WKFN 4 E/D/SL/35 | 56.704.7855.0 | 100       |
| Multi-tier block, combined, gray | WKFN 4 E/N/SL/35 | 56.704.7755.0 | 100       |

| General data                          |                        |       |       |                                                                                     |
|---------------------------------------|------------------------|-------|-------|-------------------------------------------------------------------------------------|
| Width / length / height, incl. TS 7.5 | 6 mm / 90 mm / 48 mm   |       |       |                                                                                     |
| Wire strip length                     | 11 mm                  |       |       |                                                                                     |
| Approvals                             | PTB 05 ATEX 1104 U     |       |       |                                                                                     |
| Technical data                        | IEC                    | UL    | CSA   |  |
|                                       | EN 60 947-7-1          |       |       | EN 60 079-0/-7                                                                      |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup> |       |       |                                                                                     |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup> |       |       |                                                                                     |
| Cross section, AWG                    |                        | 24–10 | 24–10 |                                                                                     |
| Rated current                         | 32 A                   | 30 A  | 32 A  |                                                                                     |
| Rated voltage                         | 500 V                  | 300 V | 300 V |                                                                                     |
| Rated impulse voltage                 | 6 kV                   |       |       |                                                                                     |
| Pollution degree                      | 3                      |       |       |                                                                                     |

#### WKFN 4 E/D/SL/35

Block color: gray

|            | Function         | Color ID     |
|------------|------------------|--------------|
| Upper tier | Feed-through     | gray         |
| Lower tier | Ground conductor | green/yellow |

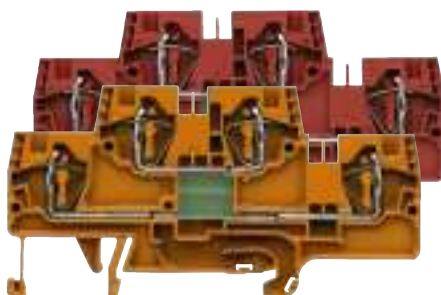
#### WKFN 4 E/N/SL/35

Block color: gray

|            | Function         | Color ID     |
|------------|------------------|--------------|
| Upper tier | Feed-through     | blue         |
| Lower tier | Ground conductor | green/yellow |

### WKFN 4 E /35...

- Multi-tier function block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                       | Type            | Part No.      | Std. Pack |
|-----------------------------------|-----------------|---------------|-----------|
| Multi-tier function block, red    | WKFN 4 E /35... | 56.704.XX55.5 | 100       |
| Multi-tier function block, orange | WKFN 4 E /35... | 56.704.XX55.9 | 100       |

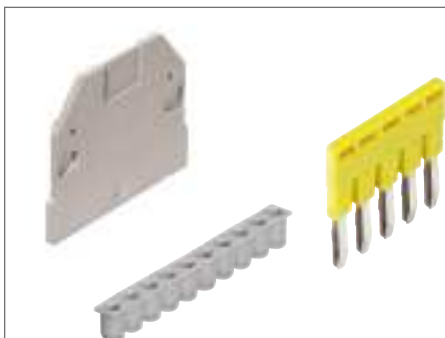
| General data                          |                                                                                                                                                                            |       |       |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
| Width / length / height, incl. TS 7.5 | 6 mm / 90 mm / 48 mm                                                                                                                                                       |       |       |
| Wire strip length                     | 11 mm                                                                                                                                                                      |       |       |
| Approvals                             |   |       |       |
| Technical data                        | IEC                                                                                                                                                                        | UL    | CSA   |
|                                       | EN 60 947-7-1                                                                                                                                                              |       |       |
| Cross section fine-stranded           | 0.13 – 4 mm <sup>2</sup>                                                                                                                                                   |       |       |
| Cross section solid/stranded          | 0.13 – 6 mm <sup>2</sup>                                                                                                                                                   |       |       |
| Cross section, AWG                    |                                                                                                                                                                            | 24–10 | 24–10 |

### Function diagram for *fasis* WKFN 4 E/...

The multi-tier block is available on request as a function block for a wide variety of switching tasks.

|                                |  |                       |               |  |                       |                          |  |                                           |
|--------------------------------|--|-----------------------|---------------|--|-----------------------|--------------------------|--|-------------------------------------------|
| 56.704.7555.9<br>56.704.7555.5 |  |                       | 56.704.8255.5 |  | I = 1 A<br>U = 1000 V | 56.704.7455.9<br>LED red |  | R = 4.7 kΩ<br>P = 0.5 W<br>U = 24 V DC    |
| 56.704.7155.5<br>56.704.7155.9 |  |                       | 56.704.7955.5 |  | I = 1 A<br>U = 1000 V | 56.704.7255.5<br>LED red |  | R = 4.7 kΩ<br>P = 0.5 W<br>U = 24 V DC    |
| 56.704.8055.9                  |  | I = 1 A<br>U = 1000 V | 56.704.8355.5 |  | I = 1 A<br>U = 1000 V | 56.704.7355.5            |  | R = 680 kΩ<br>P = 0.25 W<br>U = 100-500 V |

## Accessories for *fasis* WKFN 4 E/...



| Accessories                         | Type                                     | Part No.      | Std. Pack |
|-------------------------------------|------------------------------------------|---------------|-----------|
| End plate                           | gray APFN 4 E...                         | 07.312.9655.0 | 10        |
| Partition                           | gray TWFN 4 E...                         | 07.312.9755.0 | 10        |
| Cross connector, insulated          | 2 pole IVB WKF 4–2                       | Z7.261.1227.0 | 10        |
|                                     | 3 pole IVB WKF 4–3                       | Z7.261.1327.0 | 10        |
|                                     | 4 pole IVB WKF 4–4                       | Z7.261.1427.0 | 10        |
|                                     | 5 pole IVB WKF 4–5                       | Z7.261.1527.0 | 10        |
|                                     | 6 pole IVB WKF 4–6                       | Z7.261.1627.0 | 10        |
|                                     | 7 pole IVB WKF 4–7                       | Z7.261.1727.0 | 20        |
|                                     | 8 pole IVB WKF 4–8                       | Z7.261.1827.0 | 20        |
|                                     | 9 pole IVB WKF 4–9                       | Z7.261.1927.0 | 20        |
|                                     | 10 pole IVB WKF 4–10                     | Z7.261.2027.0 | 20        |
| Vertical cross connector, insulated | 1 pole IVB WKF-V                         | Z7.261.1127.0 | 10        |
| Wire entry guide                    | 0.13–0.2 mm <sup>2</sup> LEL 4/1 WEISS   | 05.561.8553.0 | 100       |
|                                     | 0.25–0.5 mm <sup>2</sup> LEL 4/2 GRAU    | 05.561.8653.0 | 100       |
|                                     | 0.75–1.0 mm <sup>2</sup> LEL 4/3 SCHWARZ | 05.561.8753.0 | 100       |

# Disconnect terminal blocks with tension spring connection

## WKFN 2,5 TKM/35

- Disconnect terminal block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|----------------------------|---------------|------------|
| Disconnect terminal block, gray       | WKFN 2,5 TKM/35            | 56.703.5355.0 | 100        |
| <b>General data</b>                   |                            |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 60 mm / 38 mm       |               |            |
| Wire strip length                     | 11 mm                      |               |            |
| Approvals                             |                            |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1               |               |            |
| Cross section fine-stranded           | 0.14 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2 – 4 mm <sup>2</sup>    |               |            |
| Cross section, AWG                    |                            | 24–12         | 24–12      |
| Rated current                         | 20 A                       | 19 A          | 20 A       |
| Rated voltage                         | 630 V                      | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                       |               |            |
| Pollution degree                      | 3                          |               |            |
| <b>Accessories</b>                    |                            |               |            |
| End plate, gray                       | APFN 2,5 D1/2              | 07.312.6955.0 | 10         |
| Partition, gray                       | TWFN 2,5 D1/2              | 07.312.7055.0 | 10         |

## WKFN 2,5 TKM 1/2/35

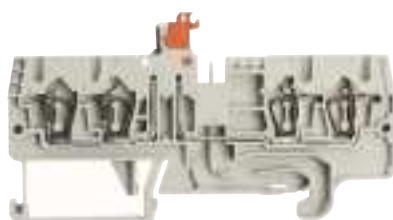
- Duo disconnect terminal block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|----------------------------|---------------|------------|
| Disconnect terminal block, gray       | WKFN 2,5 TKM 1/2/35        | 56.703.5455.0 | 100        |
| <b>General data</b>                   |                            |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 72 mm / 38 mm       |               |            |
| Wire strip length                     | 11 mm                      |               |            |
| Approvals                             |                            |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1               |               |            |
| Cross section fine-stranded           | 0.14 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2 – 4 mm <sup>2</sup>    |               |            |
| Cross section, AWG                    |                            | 24–12         | 24–12      |
| Rated current                         | 20 A                       | 19 A          | 20 A       |
| Rated voltage                         | 630 V                      | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                       |               |            |
| Pollution degree                      | 3                          |               |            |
| <b>Accessories</b>                    |                            |               |            |
| End plate, gray                       | APFN 2,5 D2/2              | 07.312.7155.0 | 10         |
| Partition, gray                       | TWFN 2,5 D2/2              | 07.312.7255.0 | 10         |

## WKFN 2,5 TKM 2/2/35

- Duo disconnect terminal block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>

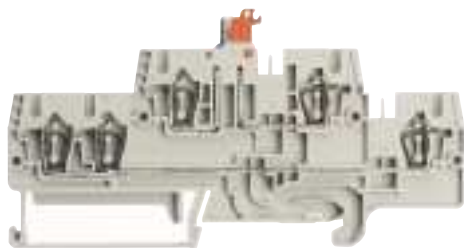


| Description                           | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|----------------------------|---------------|------------|
| Disconnect terminal block, gray       | WKFN 2,5 TKM 2/2/35        | 56.703.5555.0 | 50         |
| <b>General data</b>                   |                            |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 85 mm / 38 mm       |               |            |
| Wire strip length                     | 11 mm                      |               |            |
| Approvals                             |                            |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1               |               |            |
| Cross section fine-stranded           | 0.14 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2 – 4 mm <sup>2</sup>    |               |            |
| Cross section, AWG                    |                            | 24–12         | 24–12      |
| Rated current                         | 20 A                       | 19 A          | 20 A       |
| Rated voltage                         | 630 V                      | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                       |               |            |
| Pollution degree                      | 3                          |               |            |
| <b>Accessories</b>                    |                            |               |            |
| End plate, gray                       | APFN 2,5 TKM D2/2          | 07.313.0055.0 | 10         |
| Partition, gray                       | TWFN 2,5 TKM D2/2          | 07.313.0155.0 | 10         |

## Multi-tier disconnect terminal block with tension spring connection

### WKFN 2,5 TKM E1/35

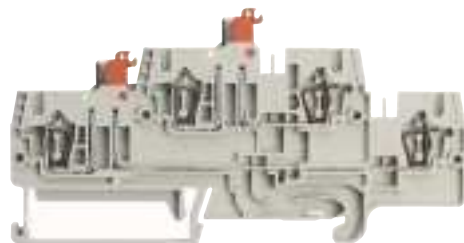
- Multi-tier disconnect terminal block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|----------------------------|---------------|------------|
| Disconnect terminal block, gray       | WKFN 2,5 TKM E1/35         | 56.703.6555.0 | 50         |
| <b>General data</b>                   |                            |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 107 mm / 48 mm      |               |            |
| Wire strip length                     | 11 mm                      |               |            |
| Approvals                             |                            |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1               |               |            |
| Cross section fine-stranded           | 0.14 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2 – 4 mm <sup>2</sup>    |               |            |
| Cross section, AWG                    |                            | 24 – 12       | 24 – 12    |
| Rated current                         | 20 A                       | 19 A          | 20 A       |
| Rated voltage                         | 500 V                      | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                       |               |            |
| Pollution degree                      | 3                          |               |            |
| <b>Accessories</b>                    |                            |               |            |
| End plate, gray                       | APFN 2,5 E1/2              | 07.312.7755.0 | 10         |
| Partition, gray                       | TWFN 2,5 E1/2              | 07.312.7855.0 | 10         |

### WKFN 2,5 TKM E2/35

- Multi-tier disconnect terminal block with tension spring connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|----------------------------|---------------|------------|
| Disconnect terminal block, gray       | WKFN 2,5 TKM E2/35         | 56.703.6655.0 | 50         |
| <b>General data</b>                   |                            |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 107 mm / 48 mm      |               |            |
| Wire strip length                     | 11 mm                      |               |            |
| Approvals                             |                            |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-1               |               |            |
| Cross section fine-stranded           | 0.14 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2 – 4 mm <sup>2</sup>    |               |            |
| Cross section, AWG                    |                            | 24 – 12       | 24 – 12    |
| Rated current                         | 19 A                       | 19 A          | 19 A       |
| Rated voltage                         | 500 V                      | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                       |               |            |
| Pollution degree                      | 3                          |               |            |
| <b>Accessories</b>                    |                            |               |            |
| End plate, gray                       | APFN 2,5 E1/2              | 07.312.7755.0 | 10         |
| Partition, gray                       | TWFN 2,5 E1/2              | 07.312.7855.0 | 10         |

## Accessories for **fasis** WKFN 2,5 TKM...



| Accessories                             |              | Type                 | Part No.      | Std. Pack |
|-----------------------------------------|--------------|----------------------|---------------|-----------|
| Cross connector, insulated              | 2 pole       | IVB WKF 2,5–2        | Z7.280.6227.0 | 10        |
|                                         | 3 pole       | IVB WKF 2,5–3        | Z7.280.6327.0 | 10        |
|                                         | 4 pole       | IVB WKF 2,5–4        | Z7.280.6427.0 | 10        |
|                                         | 5 pole       | IVB WKF 2,5–5        | Z7.280.6527.0 | 10        |
|                                         | 6 pole       | IVB WKF 2,5–6        | Z7.280.6627.0 | 10        |
|                                         | 7 pole       | IVB WKF 2,5–7        | Z7.280.6727.0 | 20        |
|                                         | 8 pole       | IVB WKF 2,5–8        | Z7.280.6827.0 | 20        |
|                                         | 9 pole       | IVB WKF 2,5–9        | Z7.280.6927.0 | 20        |
|                                         | 10 pole      | IVB WKF 2,5–10       | Z7.280.7027.0 | 20        |
|                                         | 20 pole      | IVB WKF 2,5–20       | Z7.280.8027.0 | 20        |
| Wire entry guide                        | 0.13–0.2 mm² | LELN 2,5/1 WEISS     | 05.564.3755.0 | 100       |
|                                         | 0.25–0.5 mm² | LELN 2,5/2 GRAU      | 05.564.3855.0 | 100       |
|                                         | 0.75–1.0 mm² | LELN 2,5/3 SCHWARZ   | 05.564.3955.0 | 100       |
| Cover with warning symbol over 4 blocks | yellow       | ADFN 2,5/4 GELB      | 04.343.8353.8 | 10        |
| Test adapter, modular                   |              | PS WKC/F             | Z1.299.9753.0 | 10        |
| Test plug                               |              | ST 2/2,3             | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated                |              | DIN 5264 B 0,6x3,5   | 06.502.4000.0 | 5         |
| Screwdriver, uninsulated, MINI          |              | DIN 5264 B 0,6x3,5 M | 06.502.5000.0 | 10        |

## Fuse blocks with tension spring connection

### WKFN 4 TKG with THSi 5 x 20

- Disconnect ground block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                                           | Type            | Part No.      | Std. Pack |
|-------------------------------------------------------|-----------------|---------------|-----------|
| Disconnect ground block, gray                         | WKFN 4 TKG/35   | 56.704.4055.0 | 100       |
| Fuse disconnect lever                                 | THSi 5x20       | Z1.298.1053.0 | 10        |
| Fuse disconnect lever with LED 12–24 V <sup>2)</sup>  | THSi 5x20 LED24 | Z1.298.1153.0 | 10        |
| Fuse disconnect lever with LED 24–60 V <sup>2)</sup>  | THSi 5x20 LED60 | Z1.298.1253.0 | 10        |
| Fuse disconnect lever with GL 110–250 V <sup>2)</sup> | THSi 5x20 GL250 | Z1.298.1353.0 | 10        |

| General data                          |                                                                                                       |                     |                     |                |
|---------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------|---------------------|----------------|
| Width / length / height, incl. TS 7.5 | 6 mm / 82 mm / 38 mm                                                                                  |                     |                     |                |
| Wire strip length                     | 11 mm                                                                                                 |                     |                     |                |
| Approvals                             |  KEMA 01 ATEX 2087 U |                     |                     |                |
| Technical data                        | IEC                                                                                                   | UL                  | CSA                 | EN             |
|                                       | EN 60 947-7-3                                                                                         |                     |                     | EN 60 079-0/-7 |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                |                     |                     |                |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                |                     |                     |                |
| Cross section, AWG                    |                                                                                                       | 24–10               | 22–10               |                |
| Rated current                         | 1 <sup>1)</sup>                                                                                       | 1 <sup>1)</sup>     | 10 A <sup>1)</sup>  |                |
| Rated voltage                         | 500 V <sup>2)</sup>                                                                                   | 600 V <sup>2)</sup> | 300 V <sup>2)</sup> |                |
| Rated impulse voltage                 | 8 kV                                                                                                  |                     |                     |                |
| Pollution degree                      | 3                                                                                                     |                     |                     |                |

| Accessories     | Type        | Part No.      | Std. Pack |
|-----------------|-------------|---------------|-----------|
| End plate, gray | APFN 4 D2/2 | 07.312.9055.0 | 10        |
| Partition, gray | TWFN 4 D2/2 | 07.312.9155.0 | 10        |

### WKFN 4 TKG with THSi 6,3 x 32

- Disconnect ground block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                                           | Type              | Part No.      | Std. Pack |
|-------------------------------------------------------|-------------------|---------------|-----------|
| Disconnect ground block, gray                         | WKFN 4 TKG/35     | 56.704.4055.0 | 100       |
| Fuse disconnect lever                                 | THSi 6,3x32       | Z1.298.1653.0 | 10        |
| Fuse disconnect lever with LED 12–24 V <sup>2)</sup>  | THSi 6,3x32 LED24 | Z1.298.1753.0 | 10        |
| Fuse disconnect lever with LED 24–60 V <sup>2)</sup>  | THSi 6,3x32 LED60 | Z1.298.1853.0 | 10        |
| Fuse disconnect lever with GL 110–250 V <sup>2)</sup> | THSi 6,3x32 GL250 | Z1.298.1953.0 | 10        |
| Fuse disconnect lever with GL 500 V <sup>2)</sup>     | THSi 6,3x32 GL500 | Z1.298.2053.0 | 10        |

| General data                          |                                                                                                         |                     |                     |                |
|---------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|---------------------|----------------|
| Width / length / height, incl. TS 7.5 | 6 mm / 82 mm / 38 mm                                                                                    |                     |                     |                |
| Wire strip length                     | 11 mm                                                                                                   |                     |                     |                |
| Approvals                             |  KEMA 01 ATEX 2087 U |                     |                     |                |
| Technical data                        | IEC                                                                                                     | UL                  | CSA                 | EN             |
|                                       | EN 60 947-7-3                                                                                           |                     |                     | EN 60 079-0/-7 |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup>                                                                                  |                     |                     |                |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup>                                                                                  |                     |                     |                |
| Cross section, AWG                    |                                                                                                         | 24–10               | 22–10               |                |
| Rated current                         | 1 <sup>1)</sup>                                                                                         | 1 <sup>1)</sup>     | 10 A <sup>1)</sup>  |                |
| Rated voltage                         | 500 V <sup>2)</sup>                                                                                     | 600 V <sup>2)</sup> | 300 V <sup>2)</sup> |                |
| Rated impulse voltage                 | 8 kV                                                                                                    |                     |                     |                |
| Pollution degree                      | 3                                                                                                       |                     |                     |                |

| Accessories                    | Type          | Part No.      | Std. Pack |
|--------------------------------|---------------|---------------|-----------|
| End plate, gray                | APFN 4 D2/2   | 07.312.9055.0 | 10        |
| Intermediate plate, 4 mm, blue | ZP/WKFN 4 TKG | 07.313.1655.0 | 10        |
| Partition, gray                | TWFN 4 D2/2   | 07.312.9155.0 | 10        |

## Info and accessories for **fasis** WKFN 4 TKG with THSi...

<sup>1)</sup> The current is determined by the inserted fuse.

<sup>2)</sup> The voltage range is determined by the built-in LED display. Depending on the application and the installation method, the circumstances for increased temperature must be checked in the closed fuse holders.

Higher ambient temperatures are an additional load for the fuse inserts. Therefore, the reduction of the rated current must be considered accordingly in these applications.

Indicator (24 V): LED, red  
current consumption: 10.3 mA  
Indicator (220 V): LED, red  
current consumption: 0.3 mA

When selecting G fuse inserts, make sure that the specified maximum power is not exceeded.  
Maximum power loss at 23°C ambient temperature (according to DIN EN 60947-7-3)

| Type        | Rated voltage | Overload protection |                   | Exclusive short-circuit protection |                   |
|-------------|---------------|---------------------|-------------------|------------------------------------|-------------------|
|             |               | Single arrangement  | Group arrangement | Single arrangement                 | Group arrangement |
| THSi 5x20   | 250 V         | 1.6 W               | 1.6 W             | 4.0 W                              | 2.5 W             |
| THSi 6,3x32 | 500 V         | 2.5 W               | 1.6 W             | 4.0 W                              | 2.5 W             |

| Accessories                             | Type                                     | Part No.      | Std. Pack |
|-----------------------------------------|------------------------------------------|---------------|-----------|
| Cross connector, insulated              | 2 pole IVB WKF 4-2                       | Z7.261.1227.0 | 10        |
| for WKFN 4 TKG with THSi 5x20           | 3 pole IVB WKF 4-3                       | Z7.261.1327.0 | 10        |
|                                         | 4 pole IVB WKF 4-4                       | Z7.261.1427.0 | 10        |
|                                         | 5 pole IVB WKF 4-5                       | Z7.261.1527.0 | 10        |
|                                         | 6 pole IVB WKF 4-6                       | Z7.261.1627.0 | 10        |
|                                         | 7 pole IVB WKF 4-7                       | Z7.261.1727.0 | 20        |
|                                         | 8 pole IVB WKF 4-8                       | Z7.261.1827.0 | 20        |
|                                         | 9 pole IVB WKF 4-9                       | Z7.261.1927.0 | 20        |
|                                         | 10 pole IVB WKF 4-10                     | Z7.261.2027.0 | 20        |
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> LEL 4/1 WEISS   | 05.561.8553.0 | 100       |
|                                         | 0.25–0.5 mm <sup>2</sup> LEL 4/2 GRAU    | 05.561.8653.0 | 100       |
|                                         | 0.75–1.0 mm <sup>2</sup> LEL 4/3 SCHWARZ | 05.561.8753.0 | 100       |
| Cover with warning symbol over 4 blocks | yellow ADF 4/4 GELB                      | 04.343.6153.8 | 10        |
| Test adapter, modular                   | ST 2/2,3                                 | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated                | DIN 5264 B 0,6x3,5                       | 06.502.4000.0 | 5         |
| Screwdriver, uninsulated, MINI          | DIN 5264 B 0,6x3,5 M                     | 06.502.5000.0 | 10        |

For WKFN 4 TKG with THSi 6.3x32 and intermediate plate cross connector IVB WKF 2,5-x must be used.

## WKFN 4 TKG with SiST

- Disconnect ground block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                                     | Type          | Part No.      | Std. Pack |
|-------------------------------------------------|---------------|---------------|-----------|
| Disconnect ground block, gray                   | WKFN 4 TKG/35 | 56.704.4055.0 | 100       |
| Fuse holder for fuse 5 x 20                     | Si ST         | Z1.299.4055.0 | 10        |
| Fuse holder with indicator (24V) <sup>2)</sup>  | Si ST LED     | Z1.299.4155.0 | 10        |
| Fuse holder with indicator (220V) <sup>2)</sup> | Si ST GL      | Z1.299.4255.0 | 10        |

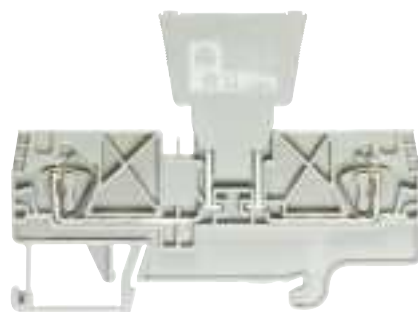
### General data

|                                       |                        |                     |                     |                |
|---------------------------------------|------------------------|---------------------|---------------------|----------------|
| Width / length / height, incl. TS 7.5 | 6 mm / 82 mm / 38 mm   |                     |                     |                |
| Wire strip length                     | 11 mm                  |                     |                     |                |
| Approvals                             | KEMA 01 ATEX 2087 U    |                     |                     |                |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>           | <b>CSA</b>          | <b>EN</b>      |
|                                       | EN 60 947-7-3          |                     |                     | EN 60 079-0/-7 |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup> |                     |                     |                |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup> |                     |                     |                |
| Cross section, AWG                    |                        | 24–10               | 22–10               |                |
| Rated current                         | 1) <sup>1)</sup>       | 1) <sup>1)</sup>    | 10 A <sup>1)</sup>  |                |
| Rated voltage                         | 500 V <sup>2)</sup>    | 600 V <sup>2)</sup> | 300 V <sup>2)</sup> |                |
| Rated impulse voltage                 | 8 kV                   |                     |                     |                |
| Pollution degree                      | 3                      |                     |                     |                |

| Accessories     | Type        | Part No.      | Std. Pack |
|-----------------|-------------|---------------|-----------|
| End plate, gray | APFN 4 D2/2 | 07.312.9055.0 | 10        |
| Partition, gray | TWFN 4 D2/2 | 07.312.9155.0 | 10        |

## WKFN 4 TKG with DiST

- Disconnect ground block with tension spring connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                   | Type                                                               | Part No.      | Std. Pack |
|-------------------------------|--------------------------------------------------------------------|---------------|-----------|
| Disconnect ground block, gray | WKFN 4 TKG/35                                                      | 56.704.4055.0 | 100       |
| Diode plug – empty            | J <sub>max</sub> = 10 A <sup>1)</sup> DIST ...                     | Z1.299.3055.0 | 10        |
| Diode plug – diode            | J <sub>max</sub> = 1 A <sup>1)</sup> DIST-1 N 4007-1 <sup>3)</sup> | Z1.299.3155.0 | 10        |
| Diode plug – diode            | J <sub>max</sub> = 1 A <sup>1)</sup> DIST-1 N 4007-2 <sup>4)</sup> | Z1.299.3355.0 | 10        |
| Diode plug with jumper        | J <sub>max</sub> = 10 A <sup>1)</sup> DIST-D                       | Z1.299.3255.0 | 10        |

### General data

|                                       |                        |                     |                     |                |
|---------------------------------------|------------------------|---------------------|---------------------|----------------|
| Width / length / height, incl. TS 7.5 | 6 mm / 82 mm / 38 mm   |                     |                     |                |
| Wire strip length                     | 11 mm                  |                     |                     |                |
| Approvals                             | KEMA 01 ATEX 2087 U    |                     |                     |                |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>           | <b>CSA</b>          | <b>EN</b>      |
|                                       | EN 60 947-7-3          |                     |                     | EN 60 079-0/-7 |
| Cross section fine-stranded           | 0.13–4 mm <sup>2</sup> |                     |                     |                |
| Cross section solid/stranded          | 0.13–6 mm <sup>2</sup> |                     |                     |                |
| Cross section, AWG                    |                        | 24–10               | 22–10               |                |
| Rated current                         | 1) <sup>1)</sup>       | 1) <sup>1)</sup>    | 10 A <sup>1)</sup>  |                |
| Rated voltage                         | 500 V <sup>2)</sup>    | 600 V <sup>2)</sup> | 300 V <sup>2)</sup> |                |
| Rated impulse voltage                 | 8 kV                   |                     |                     |                |
| Pollution degree                      | 3                      |                     |                     |                |

| Accessories     | Type        | Part No.      | Std. Pack |
|-----------------|-------------|---------------|-----------|
| End plate, gray | APFN 4 D2/2 | 07.312.9055.0 | 10        |
| Partition, gray | TWFN 4 D2/2 | 07.312.9155.0 | 10        |

## Info and Accessories for **fasis** WKFN 4 TKG with SiST and DiST

<sup>1)</sup> The current is determined by the inserted fuse.

<sup>2)</sup> The voltage range is determined by the built-in LED display. Depending on the application and the installation method, the circumstances for increased temperature must be checked in the closed fuse holders.

Higher ambient temperatures are an additional load for the fuse inserts. Therefore, the reduction of the rated current must be considered accordingly in these applications.

Indicator (24 V): LED, red  
current consumption: 10.3 mA

Indicator (220 V): LED, red  
current consumption: 0.3 mA

<sup>3)/4)</sup> Periodic peak voltage 1000 V  
Direction of the diode: Anode Cathode<sup>3)</sup>  
Cathode Anode<sup>4)</sup>

| Accessories                             | Type                                     | Part No.      | Std. Pack |
|-----------------------------------------|------------------------------------------|---------------|-----------|
| Cross connector, insulated              | 2 pole IVB WKF 4-2                       | Z7.261.1227.0 | 10        |
|                                         | 3 pole IVB WKF 4-3                       | Z7.261.1327.0 | 10        |
|                                         | 4 pole IVB WKF 4-4                       | Z7.261.1427.0 | 10        |
|                                         | 5 pole IVB WKF 4-5                       | Z7.261.1527.0 | 10        |
|                                         | 6 pole IVB WKF 4-6                       | Z7.261.1627.0 | 10        |
|                                         | 7 pole IVB WKF 4-7                       | Z7.261.1727.0 | 20        |
|                                         | 8 pole IVB WKF 4-8                       | Z7.261.1827.0 | 20        |
|                                         | 9 pole IVB WKF 4-9                       | Z7.261.1927.0 | 20        |
|                                         | 10 pole IVB WKF 4-10                     | Z7.261.2027.0 | 20        |
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> LEL 4/1 WEISS   | 05.561.8553.0 | 100       |
|                                         | 0.25–0.5 mm <sup>2</sup> LEL 4/2 GRAU    | 05.561.8653.0 | 100       |
|                                         | 0.75–1.0 mm <sup>2</sup> LEL 4/3 SCHWARZ | 05.561.8753.0 | 100       |
| Cover with warning symbol over 4 blocks | yellow ADF 4/4 GELB                      | 04.343.6153.8 | 10        |
| Test adapter, modular                   | ST 2/2,3                                 | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated                | DIN 5264 B 0,6x3,5                       | 06.502.4000.0 | 5         |
| Screwdriver, uninsulated, MINI          | DIN 5264 B 0,6x3,5 M                     | 06.502.5000.0 | 10        |

| Type | Rated voltage | Overload protection |                   | Exclusive short-circuit protection |                   |
|------|---------------|---------------------|-------------------|------------------------------------|-------------------|
|      |               | Single arrangement  | Group arrangement | Single arrangement                 | Group arrangement |
| SiST | 250 V         | 1.6 W               | 1.6 W             | 2.5 W                              | 1.6 W             |

When selecting G fuse inserts, make sure that the specified maximum power is not exceeded.  
Maximum power loss at 23° C ambient temperature (according to DIN EN 60947-7-3)

## Fuse blocks with tension spring connection

### WKFN 4 FSI

- Fuse block for automobile fuses for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                                                                                                                                            | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| Fuse block, gray                      | WKFN 4 FSI                                                                                                                                      | 56.704.4155.0 | 100        |
| <b>General data</b>                   |                                                                                                                                                 |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 82 mm / 39 mm                                                                                                                            |               |            |
| Wire strip length                     | 12 mm                                                                                                                                           |               |            |
| Approvals                             |                                                                                                                                                 |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                      | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-3                                                                                                                                    |               |            |
| Cross section fine-stranded           | 0.13 – 4 mm <sup>2</sup>                                                                                                                        |               |            |
| Cross section solid/stranded          | 0.13 – 6 mm <sup>2</sup>                                                                                                                        |               |            |
| Cross section, AWG                    |                                                                                                                                                 |               |            |
| Rated current                         | *                                                                                                                                               |               |            |
| Rated voltage                         | 800 V                                                                                                                                           |               |            |
| Rated impulse voltage                 | 8 kV                                                                                                                                            |               |            |
| Pollution degree                      | 3                                                                                                                                               |               |            |
| <b>Note</b>                           | * Observe the derating curve, available in our e-catalog at <a href="https://eshop.wieland-electric.com">https://eshop.wieland-electric.com</a> |               |            |
| <b>Accessories</b>                    | Type                                                                                                                                            | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 4 D2/2                                                                                                                                     | 07.312.9055.0 | 10         |
| Partition, 4 mm for TCP, gray         | ZP/WKFN 4 TKG                                                                                                                                   | 07.313.1655.0 | 10         |
| Partition, gray                       | TWFN 4 D2/2                                                                                                                                     | 07.312.9155.0 | 10         |

### WKFN 4 FSI

- Fuse block with indicator for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                                                                                                                                            | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| Fuse block, gray                      | WKFN 4 FSI LED12                                                                                                                                | 56.704.4255.0 | 100        |
| Fuse block, gray                      | WKFN 4 FSI LED24                                                                                                                                | 56.704.5355.0 | 100        |
| <b>General data</b>                   |                                                                                                                                                 |               |            |
| Width / length / height, incl. TS 7.5 | 6 mm / 82 mm / 39 mm                                                                                                                            |               |            |
| Wire strip length                     | 12 mm                                                                                                                                           |               |            |
| Approvals                             |                                                                                                                                                 |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                                                                      | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60947-7-3                                                                                                                                    |               |            |
| Cross section fine-stranded           | 0.13 – 4 mm <sup>2</sup>                                                                                                                        |               |            |
| Cross section solid/stranded          | 0.13 – 6 mm <sup>2</sup>                                                                                                                        |               |            |
| Cross section, AWG                    |                                                                                                                                                 |               |            |
| Rated current                         | *                                                                                                                                               |               |            |
| Rated voltage                         | 800 V                                                                                                                                           |               |            |
| Rated impulse voltage                 | 8 kV                                                                                                                                            |               |            |
| Pollution degree                      | 3                                                                                                                                               |               |            |
| <b>Note</b>                           | * Observe the derating curve, available in our e-catalog at <a href="https://eshop.wieland-electric.com">https://eshop.wieland-electric.com</a> |               |            |
| <b>Accessories</b>                    | Type                                                                                                                                            | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 4 D2/2                                                                                                                                     | 07.312.9055.0 | 10         |
| Partition, 4 mm for TCP, gray         | ZP/WKFN 4 TKG                                                                                                                                   | 07.313.1655.0 | 10         |
| Partition, gray                       | TWFN 4 D2/2                                                                                                                                     | 07.312.9155.0 | 10         |

### Automotive fuses

The WKFN 4 FSI .. type fuse blocks take blade-type fuses according to ISO 8820 (DIN 72581-3).

Automotive fuses are not offered for sale by Wieland Electric!

**We recommend the following:**



| Description                                       | Color  |       |
|---------------------------------------------------|--------|-------|
| <b>Blade-type automobile fuse, DC 32 V</b>        |        |       |
| Electrotechnical specialized trade                | black  | 1 A   |
| Motor vehicle accessory market                    | gray   | 2 A   |
|                                                   | violet | 3 A   |
|                                                   | pink   | 4 A   |
|                                                   | beige  | 5 A   |
|                                                   | brown  | 7,5 A |
|                                                   | red    | 10 A  |
|                                                   | blue   | 15 A  |
|                                                   | yellow | 20 A  |
| <b>Thermal circuit breaker, DC 32 V</b>           |        | 5 A   |
| ETA*, type 1610-21 or                             |        | 6 A   |
| ETA*, type 1610-H2 with manual release            |        | 10 A  |
|                                                   |        | 15 A  |
|                                                   |        | 20 A  |
| <b>Thermal circuit breaker, AC 250 V; DC 65 V</b> |        | 0,1 A |
| ETA*, type 1180 ..                                |        | 0,2 A |
|                                                   |        | 0,5 A |
|                                                   |        | 1 A   |
|                                                   |        | 2 A   |
|                                                   |        | 3 A   |
|                                                   |        | 4 A   |
|                                                   |        | 6 A   |
|                                                   |        | 8 A   |
|                                                   |        | 10 A  |



## DIN rail terminal blocks with plug-in connection

### The system

- Rated current up to 32 A
- Connection cross-section 4 mm<sup>2</sup>
- Width 5 mm

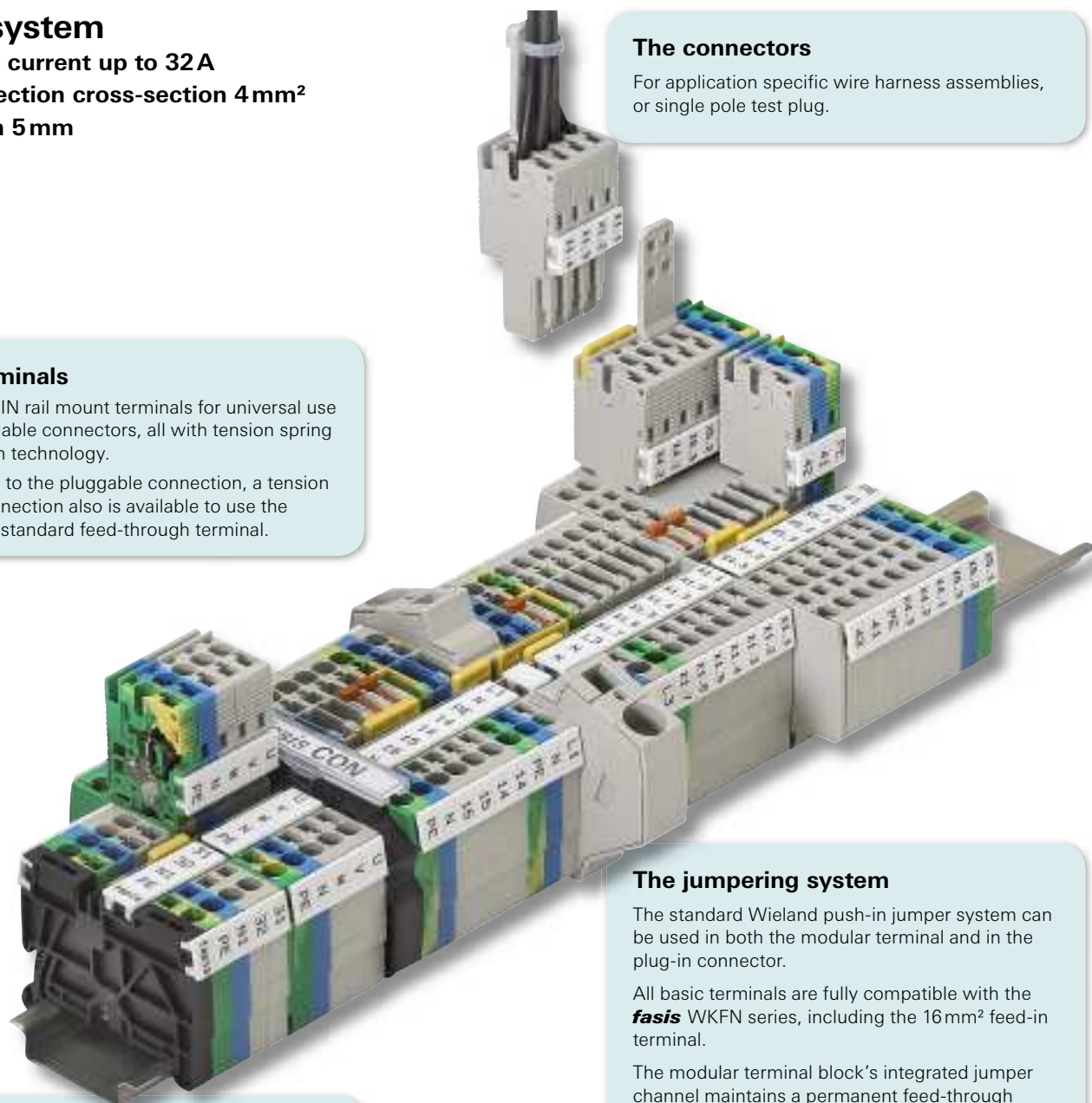
### The terminals

Modular DIN rail mount terminals for universal use with pluggable connectors, all with tension spring connection technology.

In addition to the pluggable connection, a tension spring connection also is available to use the block as a standard feed-through terminal.

### The connectors

For application specific wire harness assemblies, or single pole test plug.



### The labeling system

All termination points can be clearly labeled using the standard Wieland labeling system.

### The jumpering system

The standard Wieland push-in jumper system can be used in both the modular terminal and in the plug-in connector.

All basic terminals are fully compatible with the **fasis** WKFN series, including the 16 mm<sup>2</sup> feed-in terminal.

The modular terminal block's integrated jumper channel maintains a permanent feed-through connection even when the plug is not installed.

### Integrated safety

Touch protection of all components, even when not connected, IP 20 when connected.

All plug connectors have a built-in latching mechanism and coding option – no further accessories required.





### Plug & Play in the control cabinet – with **fasis** CON

**fasis** CON is a DIN rail terminal block system with a pluggable outgoing feeder, which offers modular, cost-saving solutions with advantages in every phase of the service life of an electrical system.

**fasis** CON is a fully compatible part of the established **fasis** WKFN system. Both the terminal and the plug connector possess the high-performance features of **fasis** WKFN.

**fasis** CON consists of feed-through and ground DIN rail terminal blocks with a wide variety of both wiring termination points and sockets for the **fasis** CON pluggable connectors.

**fasis** CON is a cost-effective, high-performance and pluggable system solution.



### Cost-effective

- Cost-optimized installation and maintenance times
- Small numbers of components
- Can be assembled individually
- Pre-assembled modules



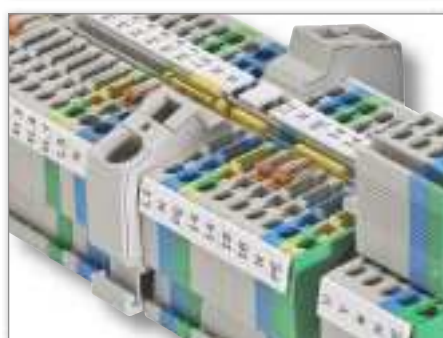
### High-performance

- Range of terminals up to 4 mm<sup>2</sup>
- Rated current up to 32 A\*
- Rated voltage 500 V
- Total width only 5 mm



### Pluggable

- Complex systems can be brought on-line quickly and cost-effectively with pluggable technology
- Functional units can be tested easily
- Field components can be more quickly replaced when faults occur
- Systems can be expanded with pluggable technology



### Complete system

- Uniform accessories
- Coded to prevent mismating
- All components can be jumpered
- Comprehensive and clear labeling
- Can be combined with **fasis** WKFN

\* Observe the derating curve, available in our e-catalog at <https://eshop.wieland-electric.com>

## DIN rail terminal blocks with plug-in connection

### WKFN 2,5 F/P/F

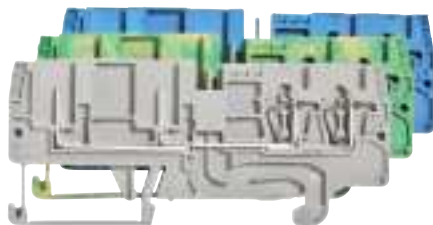
- DIN rail terminal blocks with plug-in connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                                                                                                                                            | Part No.      | Std. Pack |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|
| Feed-through block F/P/F, gray        | WKFN 2,5 F/P/F                                                                                                                                  | 56.703.2355.0 | 100       |
| Feed-through block F/P/F, blue        | WKFN 2,5 F/P/F                                                                                                                                  | 56.703.2355.6 | 100       |
| Ground block, green/yellow            | WKFN 2,5 F/P/F-SL                                                                                                                               | 56.703.2455.0 | 100       |
| General data                          |                                                                                                                                                 |               |           |
| Width / length / height, incl. TS 7.5 | 5 mm / 60 mm / 39 mm                                                                                                                            |               |           |
| Wire strip length                     | 11 mm                                                                                                                                           |               |           |
| Approvals                             | UL                                                                                                                                              |               |           |
| Technical data                        | IEC                                                                                                                                             | UL            | CSA       |
|                                       | EN 60947-7-1/-2                                                                                                                                 |               |           |
| Cross section fine-stranded           | 0.13 – 4 mm²                                                                                                                                    |               |           |
| Cross section solid/stranded          | 0.13 – 4 mm²                                                                                                                                    |               |           |
| Cross section, AWG                    |                                                                                                                                                 | 24 – 12       |           |
| Rated current                         | 32 A*                                                                                                                                           | 20 A          |           |
| Rated voltage                         | 500 V                                                                                                                                           | 300 V         |           |
| Rated impulse voltage                 | 8 kV                                                                                                                                            |               |           |
| Pollution degree                      | 3                                                                                                                                               |               |           |
| Note                                  | * Observe the derating curve, available in our e-catalog at <a href="https://eshop.wieland-electric.com">https://eshop.wieland-electric.com</a> |               |           |
| Accessories                           |                                                                                                                                                 |               |           |
| End plate, gray                       | APFN 2,5 D1/2                                                                                                                                   | 07.312.6955.0 | 10        |
| End plate, blue                       | APFN 2,5 D1/2 BLAU                                                                                                                              | 07.312.6955.6 | 10        |
| Partition, gray                       | TWFN 2,5 D1/2                                                                                                                                   | 07.312.7055.0 | 10        |

### WKFN 2,5 2P/2F

- DIN rail terminal blocks with plug-in connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                           | Type                                                                                                                                            | Part No.      | Std. Pack |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|
| Feed-through block 2P/2F, gray        | WKFN 2,5 2P/2F                                                                                                                                  | 56.703.2155.0 | 100       |
| Feed-through block 2P/2F, blue        | WKFN 2,5 2P/2F                                                                                                                                  | 56.703.2155.6 | 100       |
| Ground block, green/yellow            | WKFN 2,5 2P/2F-SL                                                                                                                               | 56.703.2255.0 | 100       |
| General data                          |                                                                                                                                                 |               |           |
| Width / length / height, incl. TS 7.5 | 5 mm / 85 mm / 39 mm                                                                                                                            |               |           |
| Wire strip length                     | 11 mm                                                                                                                                           |               |           |
| Approvals                             | UL                                                                                                                                              |               |           |
| Technical data                        | IEC                                                                                                                                             | UL            | CSA       |
|                                       | EN 60947-7-1/-2                                                                                                                                 |               |           |
| Cross section fine-stranded           | 0.13 – 4 mm²                                                                                                                                    |               |           |
| Cross section solid/stranded          | 0.13 – 4 mm²                                                                                                                                    |               |           |
| Cross section, AWG                    |                                                                                                                                                 | 24 – 12       |           |
| Rated current                         | 32 A*                                                                                                                                           | 20 A          |           |
| Rated voltage                         | 500 V                                                                                                                                           | 300 V         |           |
| Rated impulse voltage                 | 8 kV                                                                                                                                            |               |           |
| Pollution degree                      | 3                                                                                                                                               |               |           |
| Note                                  | * Observe the derating curve, available in our e-catalog at <a href="https://eshop.wieland-electric.com">https://eshop.wieland-electric.com</a> |               |           |
| Accessories                           |                                                                                                                                                 |               |           |
| End plate, gray                       | APFN 2,5 TKM D2/2                                                                                                                               | 07.313.0055.0 | 10        |
| Partition, gray                       | TWFN 2,5 TKM D2/2                                                                                                                               | 07.313.0155.0 | 10        |

### WKFN 2,5 E/./././.

- Multi-tier blocks with plug-in connection for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>

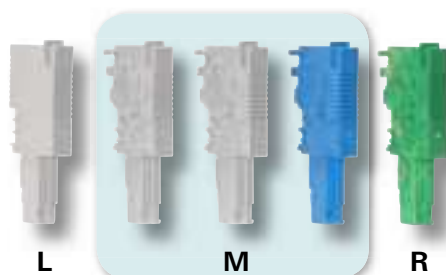


| Description                                   | Type                                                                                                                                            | Part No.      | Std. Pack |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|
| Multi-tier block E/F/P, gray                  | WKFN 2,5 E/F/P                                                                                                                                  | 56.703.3455.0 | 100       |
| Multi-tier block, vertically connected, black | WKFN 2,5 E/VB/F/P                                                                                                                               | 56.703.3555.1 | 100       |
| Multi-tier ground block, green/yellow         | WKFN 2,5 E/F/P/SL                                                                                                                               | 56.703.3655.0 | 100       |
| General data                                  |                                                                                                                                                 |               |           |
| Width / length / height, incl. TS 7.5         | 5 mm / 82 mm / 49 mm                                                                                                                            |               |           |
| Wire strip length                             | 11 mm                                                                                                                                           |               |           |
| Approvals                                     | UL                                                                                                                                              |               |           |
| Technical data                                | IEC                                                                                                                                             | UL            | CSA       |
|                                               | EN 60947-7-1/-2                                                                                                                                 |               |           |
| Cross section fine-stranded                   | 0.13 – 4 mm <sup>2</sup>                                                                                                                        |               |           |
| Cross section solid/stranded                  | 0.13 – 4 mm <sup>2</sup>                                                                                                                        |               |           |
| Cross section, AWG                            |                                                                                                                                                 | 24 – 12       |           |
| Rated current                                 | 22 A*                                                                                                                                           | 20 A          |           |
| Rated voltage                                 | 500 V                                                                                                                                           | 300 V         |           |
| Rated impulse voltage                         | 8 kV                                                                                                                                            |               |           |
| Pollution degree                              | 3                                                                                                                                               |               |           |
| Note                                          | * Observe the derating curve, available in our e-catalog at <a href="https://eshop.wieland-electric.com">https://eshop.wieland-electric.com</a> |               |           |
| Accessories                                   |                                                                                                                                                 |               |           |
| End plate, gray                               | APFN 2,5 E                                                                                                                                      | 07.312.7355.0 | 10        |
| Partition, gray                               | TWFN 2,5 E                                                                                                                                      | 07.312.7455.0 | 10        |

## Connectors

### WBF 2,5/.../...

- Connectors for DIN rail terminal blocks with plug-in connection



| Description                           | Type                                                                                                                                            | Part No.      | Std. Pack |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|
| Connectors LEFT                       |                                                                                                                                                 |               |           |
| gray                                  | WBF 2,5 1/L/GR                                                                                                                                  | Z1.110.8955.0 | 50        |
| blue                                  | WBF 2,5 1/L/BL                                                                                                                                  | Z1.110.8955.6 | 50        |
| green/yellow                          | WBF 2,5 1/L/SL                                                                                                                                  | Z1.110.8955.7 | 50        |
| Connectors MIDDLE                     |                                                                                                                                                 |               |           |
| gray                                  | WBF 2,5 1/M/GR                                                                                                                                  | Z1.110.8855.0 | 50        |
| blue                                  | WBF 2,5 1/M/BL                                                                                                                                  | Z1.110.8855.6 | 50        |
| green/yellow                          | WBF 2,5 1/M/SL                                                                                                                                  | Z1.110.8855.7 | 50        |
| Connectors RIGHT                      |                                                                                                                                                 |               |           |
| gray                                  | WBF 2,5 1/R/GR                                                                                                                                  | Z1.110.9055.0 | 50        |
| blue                                  | WBF 2,5 1/R/BL                                                                                                                                  | Z1.110.9055.6 | 50        |
| green/yellow                          | WBF 2,5 1/R/SL                                                                                                                                  | Z1.110.9055.7 | 50        |
| Connectors preassembled, gray         |                                                                                                                                                 |               |           |
| 1 pole                                | WBF 2,5-1                                                                                                                                       | 59.903.0155.0 | 50        |
| 2 pole                                | WBF 2,5-2                                                                                                                                       | 59.903.0255.0 | 50        |
| 3 pole                                | WBF 2,5-3                                                                                                                                       | 59.903.0355.0 | 50        |
| 4 pole                                | WBF 2,5-4                                                                                                                                       | 59.903.0455.0 | 50        |
| 5 pole                                | WBF 2,5-5                                                                                                                                       | 59.903.0555.0 | 50        |
| 6 pole                                | WBF 2,5-6                                                                                                                                       | 59.903.0655.0 | 25        |
| 7 pole                                | WBF 2,5-7                                                                                                                                       | 59.903.0755.0 | 25        |
| 8 pole                                | WBF 2,5-8                                                                                                                                       | 59.903.0855.0 | 25        |
| 9 pole                                | WBF 2,5-9                                                                                                                                       | 59.903.0955.0 | 25        |
| 10 pole                               | WBF 2,5-10                                                                                                                                      | 59.903.1055.0 | 25        |
| General data                          |                                                                                                                                                 |               |           |
| Width / length / height, incl. TS 7.5 | 5 mm                                                                                                                                            |               |           |
| Wire strip length                     | 11 mm                                                                                                                                           |               |           |
| Approvals                             |                                                                                                                                                 |               |           |
| Technical data                        | IEC                                                                                                                                             | UL            | CSA       |
|                                       | EN 60947-7-1/-2                                                                                                                                 |               |           |
| Cross section fine-stranded           | 0.13 – 4 mm²                                                                                                                                    |               |           |
| Cross section solid/stranded          | 0.13 – 4 mm²                                                                                                                                    |               |           |
| Cross section, AWG                    |                                                                                                                                                 | 24 – 12       |           |
| Rated current                         | 32 A*                                                                                                                                           | 20 A          |           |
| Rated voltage                         | 500 V                                                                                                                                           | 300 V         |           |
| Rated impulse voltage                 | 8 kV                                                                                                                                            |               |           |
| Pollution degree                      | 3                                                                                                                                               |               |           |
| Note                                  | * Observe the derating curve, available in our e-catalog at <a href="https://eshop.wieland-electric.com">https://eshop.wieland-electric.com</a> |               |           |
| Accessories                           |                                                                                                                                                 |               |           |
| Strain relief                         | Z-WBF                                                                                                                                           | 05.567.9155.0 | 10        |
| Screwdriver, uninsulated              | DIN 5264 B 0,6x3,5                                                                                                                              | 06.502.4000.0 | 10        |
| Screwdriver, MINI                     | DIN 5264 B 0,6x3,5 M                                                                                                                            | 06.502.5000.0 | 10        |

## Accessories for *fasis* WKFN 2,5...



| Accessories                             | Type                     | Part No.           | Std. Pack     |
|-----------------------------------------|--------------------------|--------------------|---------------|
| Cross connector, insulated, for         | 2 blocks                 | IVB WKFN 2,5-2     | Z7.280.6227.0 |
|                                         | 3 blocks                 | IVB WKFN 2,5-3     | Z7.280.6327.0 |
|                                         | 4 blocks                 | IVB WKFN 2,5-4     | Z7.280.6427.0 |
|                                         | 5 blocks                 | IVB WKFN 2,5-5     | Z7.280.6527.0 |
|                                         | 6 blocks                 | IVB WKFN 2,5-6     | Z7.280.6627.0 |
|                                         | 7 blocks                 | IVB WKFN 2,5-7     | Z7.280.6727.0 |
|                                         | 8 blocks                 | IVB WKFN 2,5-8     | Z7.280.6827.0 |
|                                         | 9 blocks                 | IVB WKFN 2,5-9     | Z7.280.6927.0 |
|                                         | 10 blocks                | IVB WKFN 2,5-10    | Z7.280.7027.0 |
|                                         | 20 blocks                | IVB WKFN 2,5-20    | Z7.280.8027.0 |
| Wire entry guide                        | 0.13–0.2 mm <sup>2</sup> | LELN 2,5/1 WEISS   | 05.564.3755.0 |
|                                         | 0.25–0.5 mm <sup>2</sup> | LELN 2,5/1 GRAU    | 05.564.3855.0 |
|                                         | 0.75–1.0 mm <sup>2</sup> | LELN 2,5/1 SCHWARZ | 05.564.3955.0 |
| Cover with warning symbol over 4 blocks | yellow                   | ADFN 2,5/4 GELB    | 04.343.8353.8 |
| Test adapter, modular                   | PS WKCF                  |                    | 11.299.9753.0 |
| Screwdriver, uninsulated                | DIN 5264 B 0,6x3,5       | 06.502.4000.0      | 5             |
| Screwdriver, uninsulated, MINI          | DIN 5264 B 0,6x3,5 M     | 06.502.5000.0      | 10            |

## DIN rail terminal blocks with tension spring and pluggable connections

### WKF 2,5 D2/8113/35

- Duo feed-through block for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                               | Type                       | Part No.      | Std. Pack  |
|-------------------------------------------|----------------------------|---------------|------------|
| Du feed-through block, gray               | WKF 2,5 D2/8113/35         | 56.703.2053.0 | 100        |
| Duo feed-through block, blue              | WKF 2,5 D2/8113/35 BLAU    | 56.703.2053.6 | 100        |
| <b>General data</b>                       |                            |               |            |
| Width / length / height, incl. TS 7.5     | 5 mm / 76 mm / 42 mm       |               |            |
| Wire strip length                         | 11 mm                      |               |            |
| Approvals                                 |                            |               |            |
| <b>Technical data</b>                     | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                           | EN 60947-7-1               |               |            |
| Cross section fine-stranded               | 0.13 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded              | 0.13 – 4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                        |                            | 22 – 12       | 24 – 12    |
| Rated current                             | 16 A                       | 15 A          | 15 A       |
| Rated voltage                             | 250 V                      | 300 V         | 300 V      |
| Rated impulse voltage                     | 4 kV                       |               |            |
| Pollution degree                          | 3                          |               |            |
| <b>Accessories</b>                        |                            |               |            |
| End plate, gray                           | APF 2,5/D2/8113            | 07.312.4153.0 | 10         |
| End plate, blue                           | APF 2,5/D2/8113            | 07.312.4153.6 | 10         |
| Wire entry guide 0.13–0.2 mm <sup>2</sup> | LEL 2,5/1 WEISS            | 05.561.6553.0 | 100        |
| 0.25–0.5 mm <sup>2</sup>                  | LEL 2,5/2 GRAU             | 05.561.6653.0 | 100        |
| 0.75–1.0 mm <sup>2</sup>                  | LEL 2,5/3 SCHWARZ          | 05.561.6753.0 | 100        |
| Cover with warning symbol over 4 blocks   | ADF 2,5/4 GELB             | 04.343.6053.8 | 10         |

### WKF 2,5 D2/8113/SL/35

- Duo-Ground block for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                               | Type                       | Part No.      | Std. Pack  |
|-------------------------------------------|----------------------------|---------------|------------|
| Duo-Ground block, green/yellow            | WKF 2,5 D2/8113 SL/35      | 56.703.9253.0 | 100        |
| <b>General data</b>                       |                            |               |            |
| Width / length / height, incl. TS 7.5     | 5 mm / 76 mm / 42 mm       |               |            |
| Wire strip length                         | 11 mm                      |               |            |
| Approvals                                 |                            |               |            |
| <b>Technical data</b>                     | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                           | EN 60947-7-1               |               |            |
| Cross section fine-stranded               | 0.13 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded              | 0.13 – 4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                        |                            | 22 – 12       | 24 – 12    |
| Rated current                             | 16 A                       |               |            |
| Rated voltage                             | 250 V                      | 300 V         | 300 V      |
| Rated impulse voltage                     | 4 kV                       |               |            |
| Pollution degree                          | 3                          |               |            |
| <b>Accessories</b>                        |                            |               |            |
| End plate, gray                           | APF 2,5/D2/8113            | 07.312.4153.0 | 10         |
| Wire entry guide 0.13–0.2 mm <sup>2</sup> | LEL 2,5/1 WEISS            | 05.561.6553.0 | 100        |
| 0.25–0.5 mm <sup>2</sup>                  | LEL 2,5/2 GRAU             | 05.561.6653.0 | 100        |
| 0.75–1.0 mm <sup>2</sup>                  | LEL 2,5/3 SCHWARZ          | 05.561.6753.0 | 100        |
| Cover with warning symbol over 4 blocks   | ADF 2,5/4 GELB             | 04.343.6053.8 | 10         |

### WKF 1,5 E/8113/35

- Multi-tier block for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>



| Description                               | Type                       | Part No.      | Std. Pack  |
|-------------------------------------------|----------------------------|---------------|------------|
| Multi-tier block, gray                    | WKF 1,5 E/8113/35          | 56.702.2053.0 | 100        |
| <b>General data</b>                       |                            |               |            |
| Width / length / height, incl. TS 7.5     | 5 mm / 83 mm / 51 mm       |               |            |
| Wire strip length                         | 8 mm                       |               |            |
| Approvals                                 |                            |               |            |
| <b>Technical data</b>                     | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                           | EN 60947-7-1               |               |            |
| Cross section fine-stranded               | 0.13 – 1.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded              | 0.13 – 2.5 mm <sup>2</sup> |               |            |
| Cross section, AWG                        |                            | 22 – 12       | 24 – 12    |
| Rated current                             | 16 A                       |               |            |
| Rated voltage                             | 250 V                      |               |            |
| Rated impulse voltage                     | 4 kV                       |               |            |
| Pollution degree                          | 3                          |               |            |
| <b>Accessories</b>                        |                            |               |            |
| End plate, gray                           | APF 1,5/E/8113             | 07.312.4753.0 | 10         |
| Wire entry guide 0.13–0.2 mm <sup>2</sup> | LEL 1,5/1 WEISS            | 05.562.2453.0 | 100        |
| 0.25–0.5 mm <sup>2</sup>                  | LEL 1,5/2 GRAU             | 05.562.2553.0 | 100        |
| 0.75–1.0 mm <sup>2</sup>                  | LEL 1,5/3 SCHWARZ          | 05.562.2653.0 | 100        |
| Cover with warning symbol over 4 blocks   | ADF 1,5/4 GELB             | 04.343.8353.8 | 10         |

## WKF 1,5 E/35

- Multi-tier block for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>

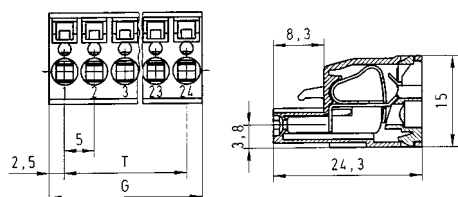


| Description                             | Type                                         | Part No.      | Std. Pack |
|-----------------------------------------|----------------------------------------------|---------------|-----------|
| Multi-tier block, gray                  | WKF 1,5 E/35                                 | 56.702.7053.0 | 100       |
| <b>General data</b>                     |                                              |               |           |
| Width / length / height, incl. TS 7.5   | 5 mm / 83 mm / 51 mm                         |               |           |
| Wire strip length                       | 8 mm                                         |               |           |
| Approvals                               | UL, CE                                       |               |           |
| <b>Technical data</b>                   |                                              |               |           |
|                                         | IEC                                          | UL            | CSA       |
|                                         | EN 60947-7-1                                 |               |           |
| Cross section fine-stranded             | 0.13 – 1.5 mm <sup>2</sup>                   |               |           |
| Cross section solid/stranded            | 0.13 – 2.5 mm <sup>2</sup>                   |               |           |
| Cross section, AWG                      |                                              | 30 – 14       | 30 – 14   |
| Rated current                           | 17,5 A                                       | 15 A          | 15 A      |
| Rated voltage                           | 400 V                                        | 300 V         | 600 V     |
| Rated impulse voltage                   | 6 kV                                         |               |           |
| Pollution degree                        | 3                                            |               |           |
| <b>Accessories</b>                      |                                              |               |           |
| End plate, gray                         | APF 1,5 E                                    | 07.312.3553.0 | 10        |
| Partition, gray                         | TWF 1,5 E                                    | 07.312.3653.0 | 10        |
| Wire entry guide                        | 0.13 – 0.2 mm <sup>2</sup> LEL 1,5/1 WEISS   | 05.562.2453.0 | 100       |
|                                         | 0.25 – 0.5 mm <sup>2</sup> LEL 1,5/2 GRAU    | 05.562.2553.0 | 100       |
|                                         | 0.75 – 1.0 mm <sup>2</sup> LEL 1,5/3 SCHWARZ | 05.562.2653.0 | 100       |
| Cover with warning symbol over 4 blocks | ADF 1,5/4 GELB                               | 04.343.8353.8 | 10        |

## wiecon PC board connector

### Type 8113 BFK

- Spring clamp/tension spring system
- 5 mm spacing, nominal cross section 2,5 mm<sup>2</sup>
- Accessories: coding pice 05.561.9153.0
- Rated voltages: VDE 0110/01.89  
250 V/4 kV/3 – Overvoltage category III  
400 V/4 kV/2 – Overvoltage category II  
1000 V/4 kV/1 – Overvoltage category I



| G                                           | T     | Pole                                                                                 | Part No.        | Part No.      | Std. Pack |
|---------------------------------------------|-------|--------------------------------------------------------------------------------------|-----------------|---------------|-----------|
| <b>5 mm spacing</b>                         |       |                                                                                      | <b>unmarked</b> | <b>marked</b> |           |
| 10.00                                       | 5.00  | 2                                                                                    | 25.920.3253.0   | 25.920.0253.0 | 100       |
| 15.00                                       | 10.00 | 3                                                                                    | 25.920.3353.0   | 25.920.0353.0 | 100       |
| 20.00                                       | 15.00 | 4                                                                                    | 25.920.3453.0   | 25.920.0453.0 | 50        |
| 25.00                                       | 20.00 | 5                                                                                    | 25.920.3553.0   | 25.920.0553.0 | 50        |
| 30.00                                       | 25.00 | 6                                                                                    | 25.920.3653.0   | 25.920.0653.0 | 50        |
| 35.00                                       | 30.00 | 7                                                                                    | 25.920.3753.0   | 25.920.0753.0 | 50        |
| 40.00                                       | 35.00 | 8                                                                                    | 25.920.3853.0   | 25.920.0853.0 | 50        |
| 45.00                                       | 40.00 | 9                                                                                    | 25.920.3953.0   | 25.920.0953.0 | 50        |
| 50.00                                       | 45.00 | 10                                                                                   | 25.920.4053.0   | 25.920.1053.0 | 50        |
| 55.00                                       | 50.00 | 11                                                                                   | 25.920.4153.0   | 25.920.1153.0 | 50        |
| 60.00                                       | 55.00 | 12                                                                                   | 25.920.4253.0   | 25.920.1253.0 | 50        |
| 65.00                                       | 60.00 | 13                                                                                   | 25.920.4353.0   | 25.920.1353.0 | 50        |
| 70.00                                       | 65.00 | 14                                                                                   | 25.920.4453.0   | 25.920.1453.0 | 50        |
| 75.00                                       | 70.00 | 15                                                                                   | 25.920.4553.0   | 25.920.1553.0 | 50        |
| 80.00                                       | 75.00 | 16                                                                                   | 25.920.4653.0   | 25.920.1653.0 | 50        |
| 17- to 24- pole configurations upon request |       |                                                                                      |                 |               |           |
| General data                                |       |                                                                                      |                 |               |           |
| Wire strip length                           |       | 9 mm                                                                                 |                 |               |           |
| Approvals                                   |       |  |                 |               |           |
| Technical data                              |       | IEC                                                                                  |                 | UL            | CSA       |
|                                             |       | EN 60947-7-1                                                                         |                 |               |           |
| Cross section fine-stranded                 |       | 0.13 – 2.5 mm <sup>2</sup>                                                           |                 |               |           |
| Cross section solid/stranded                |       | 0.13 – 4 mm <sup>2</sup>                                                             |                 |               |           |
| Cross section, AWG                          |       |                                                                                      |                 | 22–12         | 22–12     |
| Rated current                               |       | 12 A                                                                                 |                 | 12 A          | 12 A      |
| Rated voltage                               |       |                                                                                      |                 | 300 V         | 300 V     |
| Rated impulse voltage                       |       |                                                                                      |                 |               |           |
| Pollution degree                            |       |                                                                                      |                 |               |           |

## Accessories for *fasis* WKF 2,5 D... and WKF 1,5 E...



| Accessories                            | Type                   | Part No.      | Std. Pack |
|----------------------------------------|------------------------|---------------|-----------|
| Cross connector, insulated             | 2 pole IVB WKF 2,5–2   | Z7.280.6227.0 | 10        |
|                                        | 3 pole IVB WKF 2,5–3   | Z7.280.6327.0 | 10        |
|                                        | 4 pole IVB WKF 2,5–4   | Z7.280.6427.0 | 10        |
|                                        | 5 pole IVB WKF 2,5–5   | Z7.280.6527.0 | 10        |
|                                        | 6 pole IVB WKF 2,5–6   | Z7.280.6627.0 | 10        |
|                                        | 7 pole IVB WKF 2,5–7   | Z7.280.6727.0 | 20        |
|                                        | 8 pole IVB WKF 2,5–8   | Z7.280.6827.0 | 20        |
|                                        | 9 pole IVB WKF 2,5–9   | Z7.280.6927.0 | 20        |
|                                        | 10 pole IVB WKF 2,5–10 | Z7.280.7027.0 | 20        |
|                                        | 20 pole IVB WKF 2,5–20 | Z7.280.8027.0 | 20        |
| Cover with warning symbol over 4 poles | yellow AD 8113/4 GELB  | 04.343.6853.8 | 10        |
| Screwdriver, uninsulated               | DIN 5264 B 0,6x3,5     | 06.502.4000.0 | 5         |
| Coding strip                           |                        | 05.561.0053.0 | 100       |

## Initiator and actuator blocks with tension spring connection



For machine and system control wiring, practice-oriented solutions are preferred that are primarily economical and reliable and thus contribute to the system's operational and functional safety.

**fasis** KOI was designed to connect the great variety of initiators and actuators to central and remote control systems. The initiator and actuator blocks of type WKF 1,5 KOI have, in particular, been conceived for the requirements in machine and system engineering. They facilitate the wiring task through clearly arranged termination points and an easily accessible and operable tension spring technology.

**fasis** KOI is a compact and efficient wiring system for connection purposes, potential distribution and transmission of signals from initiators and actuators.



### System features and benefits

- Control-compatible system solutions through accurate matching of the connection modules' number of poles to the input and output modules of the PLC.
- Flexible connection module mounting options with either snap-on TS 35 DIN rail mount, or direct mounting to a backplane with screws.
- Application-specific individual terminal block as a link between initiators, actuators and the PLC.



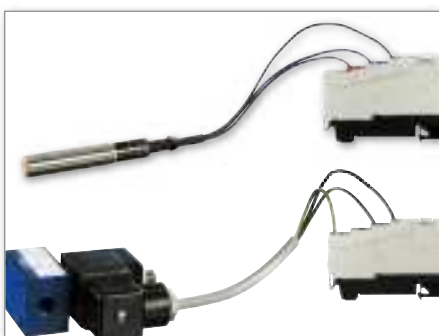
### Economically designed

- Low space requirements due to compact dimensioning of the individual terminal blocks and integration of the potential distribution inside the connection module.
- Efficient installation and start-up of the wiring system by simply fitting the connection module with components, making further accessories unnecessary.
- Reduction of the warehousing costs due to a low variety of parts without having to forego flexibility in the application.



### Service-friendly operation

- Short maintenance times for modifications of the terminal block assembly by replacing or extending individual blocks without interrupting the power supply of the other initiator and actuator blocks.
- Immediate visual monitoring of the switching states due to integrated light-emitting diodes.
- No maintenance required due to a permanently secure and dynamic tension spring clamp connection system.



### Application specific options

- Power supply to the connection modules through supply blocks, with optional LEDs.
- Potential distribution through connection modules in designs for 9 (1+8) or 18 (2x(1+8)) terminal blocks.
- Initiator blocks, for example for the connection of 3-wire or 4-wire proximity or position switches, with optional LEDs.
- Actuator terminals, for example for the connection of magnetic valves.



### Connection module

#### Collect and distribute potentials

- Potential distribution is achieved quickly and safely as soon as the terminal blocks are snapped on.
- Cross connectors for the plus, minus and ground or screen potential are each integrated in the connection modules.
- The system does not require any additional cross connectors.



### Wire entry guides

#### Connect small cross sections safely

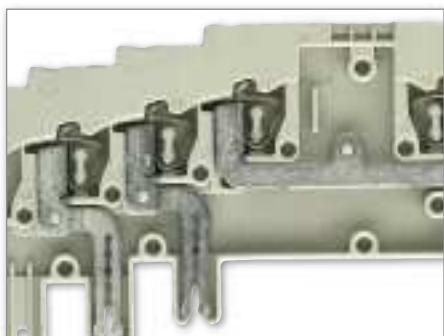
- Wire entry guides prevent the wires from being inserted too deeply (smaller than 1 mm<sup>2</sup>) and enable an easy, professional and quick installation.
- Ensure the connection of solid and fine-stranded wires smaller than 1 mm<sup>2</sup>.
- Also see the accessories for DIN rail terminal blocks starting at page 120!



### Marking system

#### All clamping points marked clearly

- Marking tags easily readable even with the wires connected.
- Clear assignment of wire to the termination point while wiring.
- Simplified troubleshooting for servicing.
- Customized marking with the **wiemarc** and **wieplot** marking systems.



### Materials

#### High-quality materials

- Special alloys enable low feed-through resistance and provide a gas-tight contact area:
  - clamping spring: stainless CrNi steel
  - current-carrying bar: tin-plated copper
- Polyamide has excellent electrical, chemical and mechanical characteristics:
  - temperature resistance: up to 120°C
  - creepage resistance: CTI 600
  - flammability class: self-extinguishing, UL94-V2



## Initiator and actuator blocks with tension spring connection

### WKF 1,5 KOI 3L...

- Initiator block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>



**37.702.7453.0**  
\* 65 V/1.5 kV/3



**37.702.8453.0**  
\* DC 24 V  
same as picture,  
but with LED



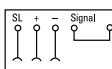
| Description                           |                          | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|----------------------------|---------------|------------|
| Initiator block, gray                 |                          | WKF 1,5 KOI 3L             | 37.702.7453.0 | 50         |
| Initiator block with LED, gray        |                          | WKF 1,5 KOI 3L-PGE         | 37.702.8453.0 | 50         |
| <b>General data</b>                   |                          |                            |               |            |
| Width / length / height, incl. TS 7.5 |                          | 5 mm / 71 mm / 48 mm       |               |            |
| Wire strip length                     |                          | 10 mm                      |               |            |
| Approvals                             |                          |                            |               |            |
| <b>Technical data</b>                 |                          | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       |                          | EN 60947-7-1               |               |            |
| Cross section fine-stranded           |                          | 0.13 – 1.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          |                          | 0.13 – 1.5 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          |                            | 28 – 16       |            |
| Rated current                         |                          | 10 A                       | 10 A          |            |
| Rated voltage                         |                          | *                          | 65 V          |            |
| Rated impulse voltage                 |                          |                            |               |            |
| Pollution degree                      |                          |                            |               |            |
| <b>Accessories</b>                    |                          |                            |               |            |
| Wire entry guide                      | 0.13–0.2 mm <sup>2</sup> | LEL 1,5/1 WEISS            | 05.562.2453.0 | 100        |
|                                       | 0.25–0.5 mm <sup>2</sup> | LEL 1,5/2 GRAU             | 05.562.2553.0 | 100        |
|                                       | 0.75–1.0 mm <sup>2</sup> | LEL 1,5/3 SCHWARZ          | 05.562.2653.0 | 100        |
| Screwdriver, uninsulated              |                          | DIN 5264 B 0,6x3,5         | 06.502.4000.0 | 5          |

### WKF 1,5 KOI 3L/SL...

- Initiator block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>



**37.702.7553.0**  
\* 65 V/1.5 kV/3



**37.702.8553.0**  
\* DC 24 V  
same as picture,  
but with LED



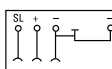
| Description                           |                          | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|----------------------------|---------------|------------|
| Initiator block, gray                 |                          | WKF 1,5 KOI 3L/SL          | 37.702.7553.0 | 50         |
| Initiator block with LED, gray        |                          | WKF 1,5 KOI 3L/SL-PGE      | 37.702.8553.0 | 50         |
| <b>General data</b>                   |                          |                            |               |            |
| Width / length / height, incl. TS 7.5 |                          | 5 mm / 71 mm / 48 mm       |               |            |
| Wire strip length                     |                          | 10 mm                      |               |            |
| Approvals                             |                          |                            |               |            |
| <b>Technical data</b>                 |                          | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       |                          | EN 60947-7-1               |               |            |
| Cross section fine-stranded           |                          | 0.13 – 1.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          |                          | 0.13 – 1.5 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          |                            | 28 – 16       |            |
| Rated current                         |                          | 10 A                       | 10 A          |            |
| Rated voltage                         |                          | *                          | 65 V          |            |
| Rated impulse voltage                 |                          |                            |               |            |
| Pollution degree                      |                          |                            |               |            |
| <b>Accessories</b>                    |                          |                            |               |            |
| Wire entry guide                      | 0.13–0.2 mm <sup>2</sup> | LEL 1,5/1 WEISS            | 05.562.2453.0 | 100        |
|                                       | 0.25–0.5 mm <sup>2</sup> | LEL 1,5/2 GRAU             | 05.562.2553.0 | 100        |
|                                       | 0.75–1.0 mm <sup>2</sup> | LEL 1,5/3 SCHWARZ          | 05.562.2653.0 | 100        |
| Screwdriver, uninsulated              |                          | DIN 5264 B 0,6x3,5         | 06.502.4000.0 | 5          |

### WKF 1,5 KOE...

- Supply block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>



**37.702.7753.0**  
\* 65 V/1.5 kV/3



**37.702.8753.0**  
\* DC 24 V  
same as picture,  
but with LED



| Description                           |                          | Type                       | Part No.      | Std. Pack  |
|---------------------------------------|--------------------------|----------------------------|---------------|------------|
| Supply block, black                   |                          | WKF 1,5 KOE                | 37.702.7753.0 | 50         |
| Supply block with LED, black          |                          | WKF 1,5 KOE-PGN            | 37.702.8753.0 | 50         |
| <b>General data</b>                   |                          |                            |               |            |
| Width / length / height, incl. TS 7.5 |                          | 5 mm / 71 mm / 48 mm       |               |            |
| Wire strip length                     |                          | 10 mm                      |               |            |
| Approvals                             |                          |                            |               |            |
| <b>Technical data</b>                 |                          | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                       |                          | EN 60947-7-1               |               |            |
| Cross section fine-stranded           |                          | 0.13 – 1.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          |                          | 0.13 – 1.5 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                          |                            | 28 – 16       |            |
| Rated current                         |                          | 10 A                       | 10 A          |            |
| Rated voltage                         |                          | *                          | 65 V          |            |
| Rated impulse voltage                 |                          |                            |               |            |
| Pollution degree                      |                          |                            |               |            |
| <b>Accessories</b>                    |                          |                            |               |            |
| Wire entry guide                      | 0.13–0.2 mm <sup>2</sup> | LEL 1,5/1 WEISS            | 05.562.2453.0 | 100        |
|                                       | 0.25–0.5 mm <sup>2</sup> | LEL 1,5/2 GRAU             | 05.562.2553.0 | 100        |
|                                       | 0.75–1.0 mm <sup>2</sup> | LEL 1,5/3 SCHWARZ          | 05.562.2653.0 | 100        |
| Screwdriver, uninsulated              |                          | DIN 5264 B 0,6x3,5         | 06.502.4000.0 | 5          |

## WKF 1,5 KOA 2L...

- Actuator block with tension spring connection for mounting on TS 35
- Nominal cross section 1.5 mm<sup>2</sup>



**37.702.7653.0**  
\* 65 V/1.5 kV/3



**37.702.8653.0**  
\* DC 24 V  
same as picture,  
but with LED



| Description                   | Type                  | Part No.      | Std. Pack |
|-------------------------------|-----------------------|---------------|-----------|
| Actuator block, gray          | WKF 1,5 KOA 2L        | 37.702.7653.0 | 50        |
| Actuator block with LED, gray | WKF 1,5 KOA 2L/SL-PGE | 37.702.8653.0 | 50        |

| General data                          |                            |         |     |
|---------------------------------------|----------------------------|---------|-----|
| Width / length / height, incl. TS 7.5 | 5 mm / 71 mm / 48 mm       |         |     |
| Wire strip length                     | 10 mm                      |         |     |
| Approvals                             |                            |         |     |
| Technical data                        | IEC                        | UL      | CSA |
|                                       | EN 60947-7-1               |         |     |
| Cross section fine-stranded           | 0.13 – 1.5 mm <sup>2</sup> |         |     |
| Cross section solid/stranded          | 0.13 – 1.5 mm <sup>2</sup> |         |     |
| Cross section, AWG                    |                            | 28 – 16 |     |
| Rated current                         | 10 A                       | 10 A    |     |
| Rated voltage                         | *                          | 65 V    |     |
| Rated impulse voltage                 |                            |         |     |
| Pollution degree                      |                            |         |     |

| Accessories              |                            | Type               | Part No.      | Std. Pack |
|--------------------------|----------------------------|--------------------|---------------|-----------|
| Wire entry guide         | 0.13 – 0.2 mm <sup>2</sup> | LEL 1,5/1 WEISS    | 05.562.2453.0 | 100       |
|                          | 0.25 – 0.5 mm <sup>2</sup> | LEL 1,5/2 GRAU     | 05.562.2553.0 | 100       |
|                          | 0.75 – 1.0 mm <sup>2</sup> | LEL 1,5/3 SCHWARZ  | 05.562.2653.0 | 100       |
| Screwdriver, uninsulated |                            | DIN 5264 B 0,6x3,5 | 06.502.4000.0 | 5         |

## VM WKF...

- Connection module for 9 or 18 blocks



| Description                            | Type          | Part No.      | Std. Pack |
|----------------------------------------|---------------|---------------|-----------|
| Connection module for 9 blocks, black  | VM WKF K0..9  | 69.700.0953.0 | 10        |
| Connection module for 18 blocks, black | VM WKF K0..18 | 69.700.1853.0 | 5         |

| General data                 |                            |      |     |
|------------------------------|----------------------------|------|-----|
| Length: 9 pole module        | L = 9 x 5 mm + 1.5 mm      |      |     |
| Length: 18 pole module       | L = 18 x 5 mm + 1.5 mm     |      |     |
| Approvals                    |                            |      |     |
| Technical data               | IEC                        | UL   | CSA |
|                              | EN 60947-7-1               |      |     |
| Cross section fine-stranded  | 0.13 – 1.5 mm <sup>2</sup> |      |     |
| Cross section solid/stranded | 0.13 – 1.5 mm <sup>2</sup> |      |     |
| Cross section, AWG           |                            |      |     |
| Rated current                | 10 A                       | 10 A |     |
| Rated voltage                | *                          | 65 V |     |
| Rated impulse voltage        |                            |      |     |
| Pollution degree             |                            |      |     |

## DIN rail terminal blocks with tension spring connection



With our DIN rail terminal block system **fasis** MINI we focus on the application's size and flexibility. **fasis** MINI is a range of DIN rail terminal blocks in tension spring technology designed for installation in confined spaces.

The portfolio comprises ground blocks and feed-through blocks in various colors with 2 or 4 connections per potential.

The potential in the WKFM 2,5 terminal block series can be distributed, modified and extended quickly, flexibly and without problem by using cross connectors.

Designed to be mounted in various ways, including TS 35 and TS 15 DIN rails, backpanels, or inside distribution boxes, we provide different solutions including snap-on mounting feet, pins, and screw flanges.



### Solutions for confined spaces

- Space-saving miniature terminal blocks in many designs for installation inside distribution boxes, motors and applications with confined space requirements.
- Easy wiring with user-friendly screwdriver entry guides at the top of the block.
- Marking tags easily readable even with the wires connected.
- Customized assembly design and marking using **wieplan** and **wiemarc**.



### Application specific options

- Miniature terminal blocks with push-in mounting pin for installation directly onto the panel.
- Miniature terminal blocks with screw flange for installation directly onto the panel.
- Miniature terminal blocks for installation on TS 15 or TS 35 mounting rails.



### Customized assembly

- DIN rail terminal blocks of the **fasis** MINI series are available in 2 and 4 pole configurations.
- **fasis** MINI blocks can be snapped together with the integrated latching pins, with or without a mounting rail.
- The various potentials and terminal blocks are visually distinguished by several color variations.
- Individual marking using marking tags or customized printing of the terminal blocks.

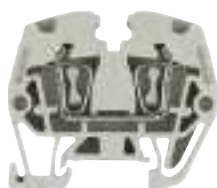


### Permanent electrical connection

- The tension spring system provides a dynamic clamping connection. Load-controlled and thermal cold flow properties of the connected wires are balanced.
- Maintenance-free and gas-tight electrical connection as specified by the approvals. Customized layouts can be created individually.
- Separation of electrical and mechanical functions.

## WKMF 2,5/15

- Feed-through block with tension spring connection for mounting on TS 15
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                                                                                                                                                                     | Type                                                                                                         | Part No.      | Std. Pack               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------|-------------------------|
| Feed-through block, gray                                                                                                                                                        | WKMF 2,5/15                                                                                                  | 55.703.0053.0 | 100                     |
| Feed-through block, blue                                                                                                                                                        | WKMF 2,5/15                                                                                                  | 55.703.0053.6 | 100                     |
| <b>General data</b>                                                                                                                                                             |                                                                                                              |               |                         |
| Width / length / height, incl. TS 5.5                                                                                                                                           | 5 mm / 36 mm / 30 mm                                                                                         |               |                         |
| Wire strip length                                                                                                                                                               | 10 mm                                                                                                        |               |                         |
| Approvals                                                                                                                                                                       | ATEX  KEMA 03 ATEX 2071 U |               |                         |
| <b>Technical data</b>                                                                                                                                                           | <b>IEC</b>                                                                                                   | <b>UL</b>     | <b>CSA</b>              |
|                                                                                                                                                                                 | EN 60 947-7-1                                                                                                |               | EN 60 079-0/-7          |
| Cross section fine-stranded                                                                                                                                                     | 0.13–2.5 mm <sup>2</sup>                                                                                     |               | 0.5–2.5 mm <sup>2</sup> |
| Cross section solid/stranded                                                                                                                                                    | 0.13–2.5 mm <sup>2</sup>                                                                                     |               | 0.5–2.5 mm <sup>2</sup> |
| Cross section, AWG                                                                                                                                                              |                                                                                                              | 26–12         | 26–12                   |
| Rated current                                                                                                                                                                   | 24 A                                                                                                         | 20 A          | 20 A                    |
| Rated voltage                                                                                                                                                                   | 500 V                                                                                                        | 600 V         | 300 V                   |
| Rated impulse voltage                                                                                                                                                           | 6 kV                                                                                                         |               |                         |
| Pollution degree                                                                                                                                                                | 3                                                                                                            |               |                         |
| <b>Note</b>                                                                                                                                                                     |                                                                                                              |               |                         |
| <sup>1)</sup> with/without jumper                                                                                                                                               |                                                                                                              |               |                         |
| <sup>2)</sup> For maintaining the proper isolation distances, the open side of feed-through or ground blocks as well as both sides of a jumper are to be covered by partitions. |                                                                                                              |               |                         |

## WKMF 2,5 SL/15

- Ground block with tension spring connection for mounting on TS 15
- Nominal cross section 2.5 mm<sup>2</sup>
- Ex e II  II 2GD  
Follow the EX installation instructions on page 143



| Description                                                                                                                                                                     | Type                                                                                                           | Part No.      | Std. Pack               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------|-------------------------|
| Ground block, green/yellow                                                                                                                                                      | WKMF 2,5 SL/15                                                                                                 | 55.703.9053.0 | 100                     |
| <b>General data</b>                                                                                                                                                             |                                                                                                                |               |                         |
| Width / length / height, incl. TS 5.5                                                                                                                                           | 5 mm / 36 mm / 30 mm                                                                                           |               |                         |
| Wire strip length                                                                                                                                                               | 10 mm                                                                                                          |               |                         |
| Approvals                                                                                                                                                                       | ATEX  KEMA 03 ATEX 2071 U |               |                         |
| <b>Technical data</b>                                                                                                                                                           | <b>IEC</b>                                                                                                     | <b>UL</b>     | <b>CSA</b>              |
|                                                                                                                                                                                 | EN 60 947-7-2                                                                                                  |               | EN 60 079-0/-7          |
| Cross section fine-stranded                                                                                                                                                     | 0.13–2.5 mm <sup>2</sup>                                                                                       |               | 0.5–2.5 mm <sup>2</sup> |
| Cross section solid/stranded                                                                                                                                                    | 0.13–2.5 mm <sup>2</sup>                                                                                       |               | 0.5–2.5 mm <sup>2</sup> |
| Cross section, AWG                                                                                                                                                              |                                                                                                                | 26–12         | 26–12                   |
| Rated current                                                                                                                                                                   |                                                                                                                |               |                         |
| Rated voltage                                                                                                                                                                   | 500 V                                                                                                          | 600 V         | 300 V                   |
| Rated impulse voltage                                                                                                                                                           | 6 kV                                                                                                           |               |                         |
| Pollution degree                                                                                                                                                                | 3                                                                                                              |               |                         |
| <b>Note</b>                                                                                                                                                                     |                                                                                                                |               |                         |
| <sup>1)</sup> For maintaining the proper isolation distances, the open side of feed-through or ground blocks as well as both sides of a jumper are to be covered by partitions. |                                                                                                                |               |                         |

## Accessories for **fasis** WKMF 2,5...



| Accessories                    | Type                 | Part No.         | Std. Pack     |
|--------------------------------|----------------------|------------------|---------------|
| End plate, 1.5 mm wide         | gray                 | APMF 2,5 / 15    | 07.312.5953.0 |
| Cross connector, insulated     | 2 pole               | IVB WKMF 2,5–2   | Z7.260.0229.0 |
|                                | 3 pole               | IVB WKMF 2,5–3   | Z7.260.0329.0 |
|                                | 4 pole               | IVB WKMF 2,5–4   | Z7.260.0429.0 |
|                                | 5 pole               | IVB WKMF 2,5–5   | Z7.260.0529.0 |
|                                | 10 pole              | IVB WKMF 2,5–10  | Z7.260.1029.0 |
|                                | 50 pole              | IVB WKMF 2,5 M50 | Z7.260.0029.0 |
| Screwdriver, uninsulated       | DIN 5264 B 0,6x3,5   |                  | 06.502.4000.0 |
| Screwdriver, uninsulated, MINI | DIN 5264 B 0,6x3,5 M |                  | 06.502.5000.0 |

## Mini terminal blocks with tension spring connection

### WKF 2,5/M with flange

- Feed-through block with tension spring connection with or without flange
- Nominal cross section 2.5 mm<sup>2</sup>



WKF 2,5/M/F



WKF 2,5/M

| Description                            | Type               | Part No.      | Std. Pack |
|----------------------------------------|--------------------|---------------|-----------|
| Feed-through block unmarked, gray      | WKF 2,5/M          | 37.703.0553.0 | 100       |
| Feed-through block unmarked, blue      | WKF 2,5/M BLAU     | 37.703.0553.6 | 100       |
| Feed-through block unmarked, orange    | WKF 2,5/M ORANGE   | 37.703.0553.9 | 100       |
| Feed-through block with flange, gray   | WKF 2,5/M/F        | 39.703.0153.0 | 100       |
| Feed-through block with flange, blue   | WKF 2,5/M/F BLAU   | 39.703.0153.6 | 100       |
| Feed-through block with flange, orange | WKF 2,5/M/F ORANGE | 39.703.0153.9 | 100       |

#### General data

|                         |                      |
|-------------------------|----------------------|
| Width / length / height | 5 mm / 36 mm / 23 mm |
| Wire strip length       | 11 mm                |

#### Approvals



#### Technical data

|                              | IEC                        | UL      | CSA     |
|------------------------------|----------------------------|---------|---------|
| EN 60947-7-1                 |                            |         |         |
| Cross section fine-stranded  | 0.13 – 2.5 mm <sup>2</sup> |         |         |
| Cross section solid/stranded | 0.13 – 4 mm <sup>2</sup>   |         |         |
| Cross section, AWG           |                            | 22 – 12 | 24 – 12 |
| Rated current                | 24 A                       | 20 A    | 25 A    |
| Rated voltage                | 800 V                      | 600 V   | 600 V   |
| Rated impulse voltage        | 8 kV                       |         |         |
| Pollution degree             | 3                          |         |         |

### WKF 2,5/MD with flange

- Duo feed-through block with tension spring connection with or without flange
- Nominal cross section 2.5 mm<sup>2</sup>



WKF 2,5/MD/F



WKF 2,5/MD

| Description                                | Type                | Part No.      | Std. Pack |
|--------------------------------------------|---------------------|---------------|-----------|
| Duo feed-through block unmarked, gray      | WKF 2,5/MD          | 37.703.1053.0 | 100       |
| Duo feed-through block unmarked, blue      | WKF 2,5/MD BLAU     | 37.703.1053.6 | 100       |
| Duo feed-through block unmarked, orange    | WKF 2,5/MD ORANGE   | 37.703.1053.9 | 100       |
| Duo feed-through block with flange, gray   | WKF 2,5/MD/F        | 39.703.0253.0 | 100       |
| Duo feed-through block with flange, blue   | WKF 2,5/MD/F BLAU   | 39.703.0253.6 | 100       |
| Duo feed-through block with flange, orange | WKF 2,5/MD/F ORANGE | 39.703.0253.9 | 100       |

#### General data

|                         |                       |
|-------------------------|-----------------------|
| Width / length / height | 10 mm / 36 mm / 23 mm |
| Wire strip length       | 11 mm                 |

#### Approvals



#### Technical data

|                              | IEC                        | UL      | CSA     |
|------------------------------|----------------------------|---------|---------|
| EN 60947-7-1                 |                            |         |         |
| Cross section fine-stranded  | 0.13 – 2.5 mm <sup>2</sup> |         |         |
| Cross section solid/stranded | 0.13 – 4 mm <sup>2</sup>   |         |         |
| Cross section, AWG           |                            | 22 – 12 | 24 – 12 |
| Rated current                | 24 A                       | 20 A    | 25 A    |
| Rated voltage                | 800 V                      | 600 V   | 600 V   |
| Rated impulse voltage        | 8 kV                       |         |         |
| Pollution degree             | 3                          |         |         |

## Accessories for **fasis** WKF 2,5/M...

| Accessories                               | Type                    | Part No.      | Std. Pack |
|-------------------------------------------|-------------------------|---------------|-----------|
| End plate with flange on the right gray   | APF 2,5/M.../F/R        | 07.312.3153.0 | 10        |
| End plate with flange on the right blue   | APF 2,5/M.../F/R BLAU   | 07.312.3153.6 | 10        |
| End plate with flange on the right orange | APF 2,5/M.../F/R ORANGE | 07.312.3153.9 | 10        |
| Wire entry guide 0.13–0.2 mm <sup>2</sup> | LEL 2,5/1 WEISS         | 05.561.6553.0 | 100       |
| Wire entry guide 0.25–0.5 mm <sup>2</sup> | LEL 2,5/2 GRAU          | 05.561.6653.0 | 100       |
| Wire entry guide 0.75–1.0 mm <sup>2</sup> | LEL 2,5/3 SCHWARZ       | 05.561.6753.0 | 100       |
| Cross connector, insulated 2 pole         |                         | 05.902.3500.0 | 10        |
| Marking strip, unmarked (4 x 22 pcs.)     |                         | 04.244.0053.0 | 5         |
| marked (1–11)                             |                         | 04.844.2053.0 | 5         |
| marked (12–55)                            |                         | 04.844.2153.0 | 5         |
| marked (56–99)                            |                         | 04.844.2253.0 | 5         |
| Screwdriver, uninsulated                  | DIN 5264 B 0,6 x 3,5    | 06.502.4000.0 | 5         |

### WKF 2,5/M/R with mounting foot

- Feed-through block with tension spring connection, unmarked
- Nominal cross section 2.5 mm<sup>2</sup>



Mounting hole: Ø 3,5 mm  
Plate thickness: 0,6–1,2 mm

| Description                         | Type                       | Part No.      | Std. Pack  |
|-------------------------------------|----------------------------|---------------|------------|
| Feed-through block unmarked, gray   | WKF 2,5/M/R                | 38.703.0553.0 | 100        |
| Feed-through block unmarked, blue   | WKF 2,5/M/R BLAU           | 38.703.0553.6 | 100        |
| Feed-through block unmarked, orange | WKF 2,5/M/R ORANGE         | 38.703.0553.9 | 100        |
| <b>General data</b>                 |                            |               |            |
| Width / length / height             | 5 mm / 36 mm / 23 mm       |               |            |
| Wire strip length                   | 11 mm                      |               |            |
| Approvals                           |                            |               |            |
| <b>Technical data</b>               | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                     | EN 60947-7-1               |               |            |
| Cross section fine-stranded         | 0.13 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded        | 0.13 – 4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                  |                            | 22 – 12       | 24 – 12    |
| Rated current                       | 24 A                       | 20 A          | 25 A       |
| Rated voltage                       | 800 V                      | 600 V         | 600 V      |
| Rated impulse voltage               | 8 kV                       |               |            |
| Pollution degree                    | 3                          |               |            |

### WKF 2,5/MD/R with mounting foot

- Duo feed-through block with tension spring connection, unmarked
- Nominal cross section 2.5 mm<sup>2</sup>



Mounting hole: Ø 3,5 mm  
Plate thickness: 0,6–1,2 mm

| Description                             | Type                       | Part No.      | Std. Pack  |
|-----------------------------------------|----------------------------|---------------|------------|
| Duo feed-through block unmarked, gray   | WKF 2,5/MD/R               | 38.703.1053.0 | 100        |
| Duo feed-through block unmarked, blue   | WKF 2,5/MD/R BLAU          | 38.703.1053.6 | 100        |
| Duo feed-through block unmarked, orange | WKF 2,5/MD/R ORANGE        | 38.703.1053.9 | 100        |
| <b>General data</b>                     |                            |               |            |
| Width / length / height                 | 10 mm / 36 mm / 23 mm      |               |            |
| Wire strip length                       | 11 mm                      |               |            |
| Approvals                               |                            |               |            |
| <b>Technical data</b>                   | <b>IEC</b>                 | <b>UL</b>     | <b>CSA</b> |
|                                         | EN 60947-7-1               |               |            |
| Cross section fine-stranded             | 0.13 – 2.5 mm <sup>2</sup> |               |            |
| Cross section solid/stranded            | 0.13 – 4 mm <sup>2</sup>   |               |            |
| Cross section, AWG                      |                            | 22 – 12       | 24 – 12    |
| Rated current                           | 24 A                       | 20 A          | 25 A       |
| Rated voltage                           | 800 V                      | 600 V         | 600 V      |
| Rated impulse voltage                   | 8 kV                       |               |            |
| Pollution degree                        | 3                          |               |            |

## Accessories for **fasis** WKF 2,5/M.../R

| Accessories                | Type                     | Part No.            | Std. Pack     |
|----------------------------|--------------------------|---------------------|---------------|
| End plate                  | gray                     | APF 2,5/M...        | 07.312.2953.0 |
| End plate                  | blue                     | APF 2,5/M... BLAU   | 07.312.2953.6 |
| End plate                  | orange                   | APF 2,5/M... ORANGE | 07.312.2953.9 |
| Wire entry guide           | 0.13–0.2 mm <sup>2</sup> | LEL 2,5/1 WEISS     | 05.561.6553.0 |
| Wire entry guide           | 0.25–0.5 mm <sup>2</sup> | LEL 2,5/2 GRAU      | 05.561.6653.0 |
| Wire entry guide           | 0.75–1.0 mm <sup>2</sup> | LEL 2,5/3 SCHWARZ   | 05.561.6753.0 |
| Cross connector, insulated | 2 pole                   |                     | 05.902.3500.0 |
| Marking strip, unmarked    | (4 x 22 pcs.)            |                     | 04.244.0053.0 |
| Marking strip, marked      | (1–11)                   |                     | 04.844.2053.0 |
| Marking strip, marked      | (12–55)                  |                     | 04.844.2153.0 |
| Marking strip, marked      | (56–99)                  |                     | 04.844.2253.0 |
| Screwdriver, uninsulated   | DIN 5264 B 0,6 x 3,5     |                     | 06.502.4000.0 |

## Mini terminal blocks with tension spring connection

### WKF 2,5/M/15

- Feed-through block with tension spring connection, unmarked, for mounting on TS 15
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                         | Type                | Part No.      | Std. Pack |
|-------------------------------------|---------------------|---------------|-----------|
| Feed-through block unmarked, gray   | WKF 2,5/M/15        | 55.703.0553.0 | 100       |
| Feed-through block unmarked, blue   | WKF 2,5/M/15 BLAU   | 55.703.0553.6 | 100       |
| Feed-through block unmarked, orange | WKF 2,5/M/15 ORANGE | 55.703.0553.9 | 100       |
| Feed-through block unmarked, green  | WKF 2,5/M/15 GRÜN   | 55.703.0553.7 | 100       |

#### General data

Width / length / height, incl. TS 5.5 5 mm / 36 mm / 27 mm

Wire strip length 11 mm

Approvals

#### Technical data

EN 60947-7-1

Cross section fine-stranded 0.13 – 2.5 mm<sup>2</sup>

Cross section solid/stranded 0.13 – 4 mm<sup>2</sup>

Cross section, AWG 22 – 12 24 – 12

Rated current 24 A 20 A 25 A

Rated voltage 800 V 600 V 600 V

Rated impulse voltage 8 kV

Pollution degree 3

### WKF 2,5/MD/15

- Duo feed-through block with tension spring connection, unmarked, for mounting on TS 15
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                             | Type                 | Part No.      | Std. Pack |
|-----------------------------------------|----------------------|---------------|-----------|
| Duo feed-through block unmarked, gray   | WKF 2,5/MD/15        | 55.703.1053.0 | 100       |
| Duo feed-through block unmarked, blue   | WKF 2,5/MD/15 BLAU   | 55.703.1053.6 | 100       |
| Duo feed-through block unmarked, orange | WKF 2,5/MD/15 ORANGE | 55.703.1053.9 | 100       |
| Duo feed-through block unmarked, green  | WKF 2,5/MD/15 GRÜN   | 55.703.1053.7 | 100       |

#### General data

Width / length / height, incl. TS 5.5 10 mm / 36 mm / 27 mm

Wire strip length 11 mm

Approvals

#### Technical data

EN 60947-7-1

Cross section fine-stranded 0.13 – 2.5 mm<sup>2</sup>

Cross section solid/stranded 0.13 – 4 mm<sup>2</sup>

Cross section, AWG 22 – 12 24 – 12

Rated current 24 A 20 A 25 A

Rated voltage 800 V 600 V 600 V

Rated impulse voltage 8 kV

Pollution degree 3

## WKF 2,5/M/35

- Feed-through block with tension spring connection, unmarked, for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>



| Description                         | Type                | Part No.      | Std. Pack |
|-------------------------------------|---------------------|---------------|-----------|
| Feed-through block unmarked, gray   | WKF 2,5/M/35        | 56.703.0553.0 | 100       |
| Feed-through block unmarked, blue   | WKF 2,5/M/35 BLAU   | 56.703.0553.6 | 100       |
| Feed-through block unmarked, orange | WKF 2,5/M/35 ORANGE | 56.703.0553.9 | 100       |
| Feed-through block unmarked, green  | WKF 2,5/M/35 GRÜN   | 56.703.0553.7 | 100       |

| General data                          |                            |         |         |
|---------------------------------------|----------------------------|---------|---------|
| Width / length / height, incl. TS 7.5 | 5 mm / 36 mm / 32 mm       |         |         |
| Wire strip length                     | 11 mm                      |         |         |
| Approvals                             |                            |         |         |
| Technical data                        | IEC                        | UL      | CSA     |
|                                       | EN 60947-7-1               |         |         |
| Cross section fine-stranded           | 0.13 – 2.5 mm <sup>2</sup> |         |         |
| Cross section solid/stranded          | 0.13 – 4 mm <sup>2</sup>   |         |         |
| Cross section, AWG                    |                            | 22 – 12 | 24 – 12 |
| Rated current                         | 24 A                       | 20 A    | 25 A    |
| Rated voltage                         | 800 V                      | 600 V   | 600 V   |
| Rated impulse voltage                 | 8 kV                       |         |         |
| Pollution degree                      | 3                          |         |         |

## WKF 2,5/MD/35

- Duo-Feed-through block with tension spring connection, unmarked, for mounting on TS 35
- Nominal cross section 2.5 mm<sup>2</sup>

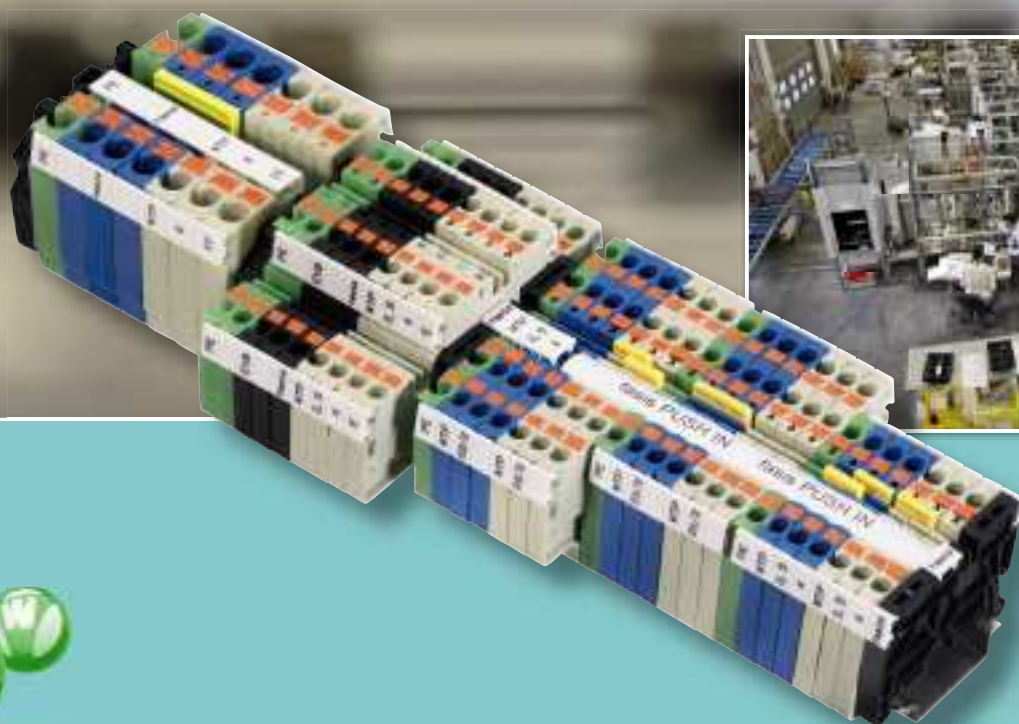


| Description                             | Type                 | Part No.      | Std. Pack |
|-----------------------------------------|----------------------|---------------|-----------|
| Duo-Feed-through block unmarked, gray   | WKF 2,5/MD/35        | 56.703.1053.0 | 100       |
| Duo-Feed-through block unmarked, blue   | WKF 2,5/MD/35 BLAU   | 56.703.1053.6 | 100       |
| Duo-Feed-through block unmarked, orange | WKF 2,5/MD/35 ORANGE | 56.703.1053.9 | 100       |
| Duo-Feed-through block unmarked, green  | WKF 2,5/MD/35 GRÜN   | 56.703.1053.7 | 100       |

| General data                          |                            |         |         |
|---------------------------------------|----------------------------|---------|---------|
| Width / length / height, incl. TS 7.5 | 10 mm / 36 mm / 32 mm      |         |         |
| Wire strip length                     | 11 mm                      |         |         |
| Approvals                             |                            |         |         |
| Technical data                        | IEC                        | UL      | CSA     |
|                                       | EN 60947-7-1               |         |         |
| Cross section fine-stranded           | 0.13 – 2.5 mm <sup>2</sup> |         |         |
| Cross section solid/stranded          | 0.13 – 4 mm <sup>2</sup>   |         |         |
| Cross section, AWG                    |                            | 22 – 12 | 24 – 12 |
| Rated current                         | 24 A                       | 20 A    | 25 A    |
| Rated voltage                         | 800 V                      | 600 V   | 600 V   |
| Rated impulse voltage                 | 8 kV                       |         |         |
| Pollution degree                      | 3                          |         |         |

## Accessories for **fasis** WKF 2,5/M/...

| Accessories                |                            | Type                 | Part No.      | Std. Pack |
|----------------------------|----------------------------|----------------------|---------------|-----------|
| End plate                  | gray                       | APF 2,5/M/...        | 07.312.2953.0 | 10        |
| End plate                  | blue                       | APF 2,5/M/... BLAU   | 07.312.2953.6 | 10        |
| End plate                  | orange                     | APF 2,5/M/... ORANGE | 07.312.2953.9 | 10        |
| Wire entry guide           | 0.13 – 0.2 mm <sup>2</sup> | LEL 2,5/1 WEISS      | 05.561.6553.0 | 100       |
| Wire entry guide           | 0.25 – 0.5 mm <sup>2</sup> | LEL 2,5/2 GRAU       | 05.561.6653.0 | 100       |
| Wire entry guide           | 0.75 – 1.0 mm <sup>2</sup> | LEL 2,5/3 SCHWARZ    | 05.561.6753.0 | 100       |
| Cross connector, insulated | 2 pole                     |                      | 05.902.3500.0 | 10        |
| Marking strip,             | unmarked (4 x 22 pcs.)     |                      | 04.244.0053.0 | 5         |
|                            | marked (1 – 11)            |                      | 04.844.2053.0 | 5         |
|                            | marked (12 – 55)           |                      | 04.844.2153.0 | 5         |
|                            | marked (56 – 99)           |                      | 04.844.2253.0 | 5         |
|                            | yellow, unmarked           |                      | 04.244.0053.8 | 5         |
| Screwdriver, uninsulated   |                            | DIN 5264 B 0,6 x 3,5 | 06.502.4000.0 | 5         |



## **fasis** WTP – DIN rail terminal blocks with **push-in connection**

Terminate wires easily, directly and without tools!

**fasis** WTP – DIN rail terminal blocks with push-in connection. Built according to an effective and comprehensive concept, including compact design and high-performance contact technology, **fasis** WTP reduces installation time and keeps inventory costs to a minimum.

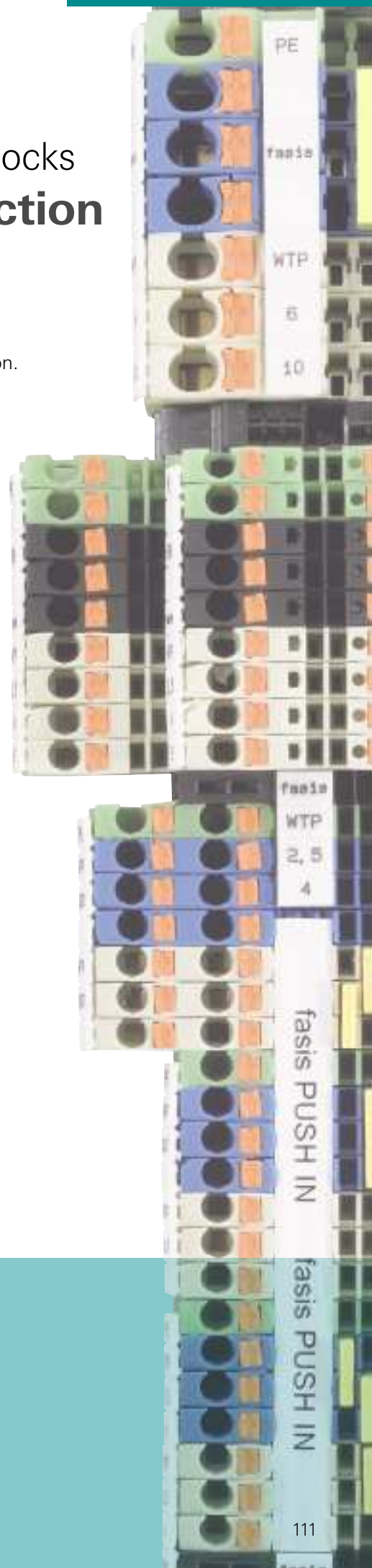
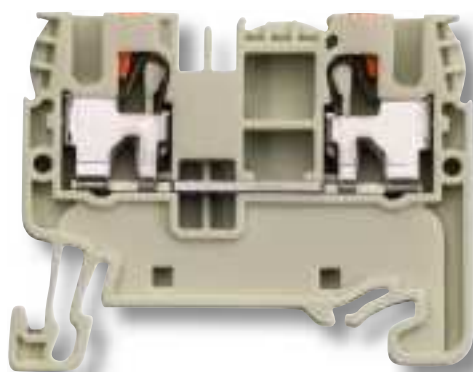
The product line includes feed-through and ground blocks with 2, 3 or 4 termination points, as well as multi-tier blocks.

**fasis** WTP has been designed for use in machinery and plant engineering, as well as power distribution for buildings.

Connection cross-sections up to 10 mm<sup>2</sup>

Rated current of up to 57 A

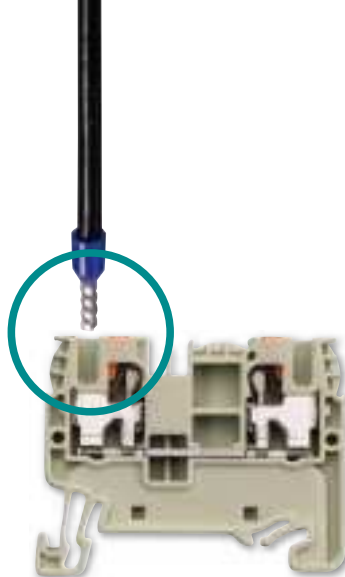
Rated voltage of up to 1000 V



## **fasis WTP – wires simply push-in**

### **Connect without tools**

- Push-in connection
- Wires connect directly



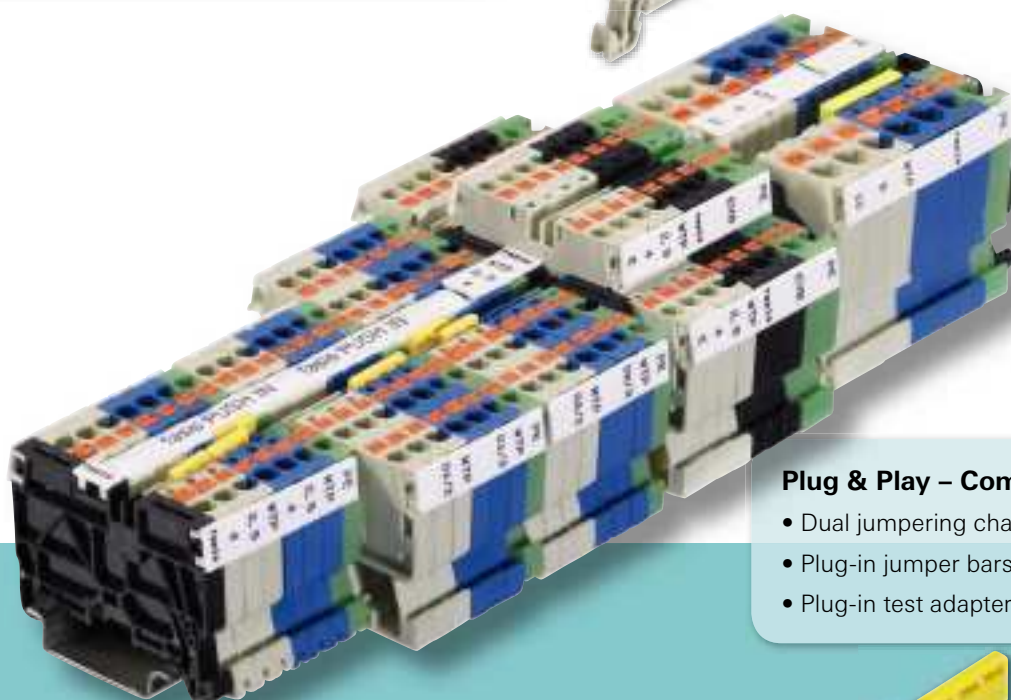
### **The same functionality – fewer items**

- 2.5 & 4 mm<sup>2</sup> and 6 & 10 mm<sup>2</sup> in one block

| <b>fasis push-in</b>  |                                                                                   |                   |                                                                                   |                    |
|-----------------------|-----------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------|--------------------|
| Nominal cross section | 2.5 mm <sup>2</sup>                                                               | 4 mm <sup>2</sup> | 6 mm <sup>2</sup>                                                                 | 10 mm <sup>2</sup> |
| Rated current         |                                                                                   | 32 A              |                                                                                   | 57 A               |
| Width                 | 5 mm                                                                              |                   | 8 mm                                                                              |                    |
|                       |  |                   |  |                    |
|                       | <b>WTP 2,5/4</b>                                                                  |                   | <b>WTP 6/10</b>                                                                   |                    |

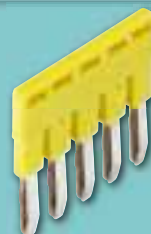
### **Integrated release lever**

- No mix-up of wire-entry and screwdriver entry points
- No contact with live parts
- Use of Philips head screwdriver also possible

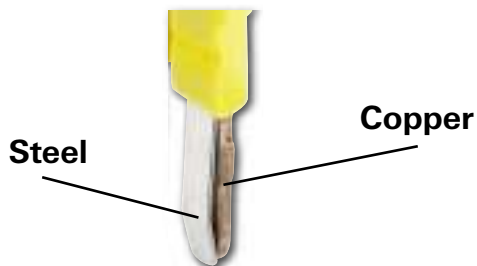
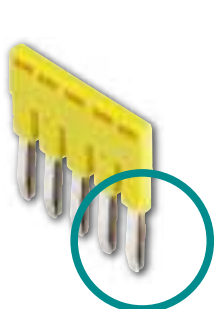


### **Plug & Play – Completing the Concept**

- Dual jumpering channels
- Plug-in jumper bars
- Plug-in test adapter



## Wieland jumpering system – Perfect technology



### Perfect technology

- Copper current bar guarantees low contact resistance
- Steel spring guarantees strength, durability, and long-term stability

### Extremely rugged!

- Indestructible steel spring
- Vibration-proof connection



### Simple customization

- Individual poles easy to remove
- Circuits easy to identify



## Wieland marking system – Reliable identification

### Marking strips – Dependable

- Maximum hold to the terminal
- Solidify integrity of the assembly



### Endless strip – Effective

- Mounting facility for endless strips permits single step marking of entire assembly
- Continuous labeling
- Uses commercially available labeling systems



### Marking tags – Individual

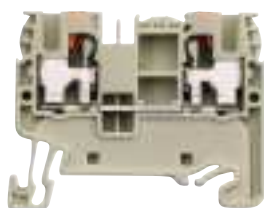
- Individual labeling with minimum effort
- Ideal for service and maintenance



# Feed-through blocks with push-in connection

## WTP 2,5/4

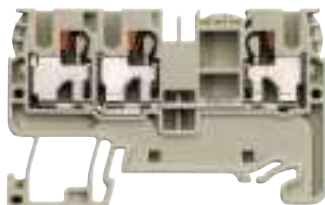
- Feed-through block with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                  | Part No.      | Std. Pack  |
|---------------------------------------|-----------------------|---------------|------------|
| Feed-through block, gray              | WTP 2,5/4             | 56.203.0055.0 | 100        |
| Feed-through block, blue              | WTP 2,5/4 BLAU        | 56.203.0055.6 | 100        |
| <b>General data</b>                   |                       |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 47 mm / 38 mm  |               |            |
| Wire strip length                     | 11 mm                 |               |            |
| Approvals                             | pending               |               |            |
| <b>Technical data</b>                 | <b>IEC</b>            | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1         |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                       | 24–12         | 24–12      |
| Rated current                         | 32 A                  | 30 A          | 30 A       |
| Rated voltage                         | 1000 V                | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                  |               |            |
| Pollution degree                      | 3                     |               |            |
| <b>Accessories</b>                    |                       |               |            |
|                                       | Type                  | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5              | 07.312.6755.0 | 10         |
| Partition, gray                       | TWPN 2,5              | 07.312.6855.0 | 10         |

## WTP 2,5/4 D1/2

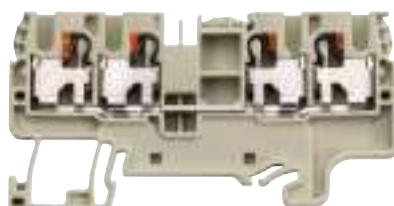
- Duo feed-through block with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                  | Part No.      | Std. Pack  |
|---------------------------------------|-----------------------|---------------|------------|
| Feed-through block, gray              | WTP 2,5/4 D1/2        | 56.203.5055.0 | 100        |
| Feed-through block, blue              | WTP 2,5/4 D1/2 BLAU   | 56.203.5055.6 | 100        |
| <b>General data</b>                   |                       |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 60 mm / 38 mm  |               |            |
| Wire strip length                     | 11 mm                 |               |            |
| Approvals                             | pending               |               |            |
| <b>Technical data</b>                 | <b>IEC</b>            | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1         |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                       | 24–12         | 24–12      |
| Rated current                         | 32 A                  | 30 A          | 30 A       |
| Rated voltage                         | 1000 V                | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                  |               |            |
| Pollution degree                      | 3                     |               |            |
| <b>Accessories</b>                    |                       |               |            |
|                                       | Type                  | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5 D1/2         | 07.312.6955.0 | 10         |
| Partition, gray                       | TWPN 2,5 D1/2         | 07.312.7055.0 | 10         |

## WTP 2,5/4 D2/2

- Duo feed-through block with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>

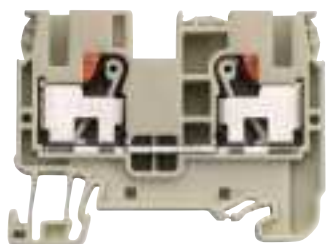


| Description                           | Type                  | Part No.      | Std. Pack  |
|---------------------------------------|-----------------------|---------------|------------|
| Feed-through block, gray              | WTP 2,5/4 D2/2        | 56.203.5155.0 | 100        |
| Feed-through block, blue              | WTP 2,5/4 D2/2 BLAU   | 56.203.5155.6 | 100        |
| <b>General data</b>                   |                       |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 72 mm / 38 mm  |               |            |
| Wire strip length                     | 11 mm                 |               |            |
| Approvals                             | pending               |               |            |
| <b>Technical data</b>                 | <b>IEC</b>            | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1         |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                       | 24–12         | 24–12      |
| Rated current                         | 32 A                  | 30 A          | 30 A       |
| Rated voltage                         | 1000 V                | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                  |               |            |
| Pollution degree                      | 3                     |               |            |
| <b>Accessories</b>                    |                       |               |            |
|                                       | Type                  | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5 D2/2         | 07.312.7155.0 | 10         |
| Partition, gray                       | TWPN 2,5 D2/2         | 07.312.7255.0 | 10         |

## Feed-through blocks with push-in connection

### WTP 6/10

- Feed-through block with push-in connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>



| Description                           | Type                                                                                       | Part No.      | Std. Pack |                                                                                     |
|---------------------------------------|--------------------------------------------------------------------------------------------|---------------|-----------|-------------------------------------------------------------------------------------|
| Feed-through block, gray              | WTP 6/10                                                                                   | 56.206.0055.0 | 100       |                                                                                     |
| Feed-through block, blue              | WTP 6/10 BLAU                                                                              | 56.206.0055.6 | 100       |                                                                                     |
| General data                          |                                                                                            |               |           |                                                                                     |
| Width / length / height, incl. TS 7.5 | 8 mm / 58 mm / 44 mm                                                                       |               |           |                                                                                     |
| Wire strip length                     | 12 mm                                                                                      |               |           |                                                                                     |
| Approvals                             |  pending |               |           |                                                                                     |
| Technical data                        | IEC                                                                                        | UL            | CSA       |  |
|                                       | EN 60 947-7-1                                                                              |               |           |                                                                                     |
| Cross section fine-stranded           | 0,2–10 mm²                                                                                 |               |           |                                                                                     |
| Cross section solid/stranded          | 0.2–10 mm²                                                                                 |               |           |                                                                                     |
| Cross section, AWG                    |                                                                                            | 22–8          | 22–8      |                                                                                     |
| Rated current                         | 57 A                                                                                       | 50 A          | 50 A      |                                                                                     |
| Rated voltage                         | 1000 V                                                                                     | 600 V         | 600 V     |                                                                                     |
| Rated impulse voltage                 | 8 kV                                                                                       |               |           |                                                                                     |
| Pollution degree                      | 3                                                                                          |               |           |                                                                                     |
| Accessories                           |                                                                                            |               |           |                                                                                     |
|                                       | Type                                                                                       | Part No.      | Std. Pack |                                                                                     |
| End plate, gray                       | AP WTP 6/10                                                                                | 07.313.4155.0 | 10        |                                                                                     |
| Partition, gray                       | TW WTP 6/10                                                                                | 07.313.4255.0 | 10        |                                                                                     |

## Accessories for *fasis* WTP...



|                                     |                          |                      |               |           |
|-------------------------------------|--------------------------|----------------------|---------------|-----------|
| <b>Accessories for WTP 2,5/4...</b> |                          | Type                 | Part No.      | Std. Pack |
| Cross connector, insulated          | 2 pole                   | IVB WKF 2,5–2        | Z7.280.6227.0 | 10        |
|                                     | 3 pole                   | IVB WKF 2,5–3        | Z7.280.6327.0 | 10        |
|                                     | 4 pole                   | IVB WKF 2,5–4        | Z7.280.6427.0 | 10        |
|                                     | 5 pole                   | IVB WKF 2,5–5        | Z7.280.6527.0 | 10        |
|                                     | 6 pole                   | IVB WKF 2,5–6        | Z7.280.6627.0 | 10        |
|                                     | 7 pole                   | IVB WKF 2,5–7        | Z7.280.6727.0 | 20        |
|                                     | 8 pole                   | IVB WKF 2,5–8        | Z7.280.6827.0 | 20        |
|                                     | 9 pole                   | IVB WKF 2,5–9        | Z7.280.6927.0 | 20        |
|                                     | 10 pole                  | IVB WKF 2,5–10       | Z7.280.7027.0 | 20        |
|                                     | 20 pole                  | IVB WKF 2,5–20       | Z7.280.8027.0 | 20        |
| Wire entry guide                    | 0.13–0.2 mm <sup>2</sup> | LELN 2,5/1 WEISS     | 05.564.3755.0 | 100       |
|                                     | 0.25–0.5 mm <sup>2</sup> | LELN 2,5/2 GRAU      | 05.564.3855.0 | 100       |
|                                     | 0.75–1.0 mm <sup>2</sup> | LELN 2,5/3 SCHWARZ   | 05.564.3955.0 | 100       |
| Test adapter, modular               |                          | PS WKC/F             | Z1.299.9753.0 | 10        |
| Test plug                           |                          | ST 2/2,3             | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated            |                          | DIN 5264 B 0,6x3,5   | 06.502.4000.0 | 5         |
| Screwdriver, uninsulated, MINI      |                          | DIN 5264 B 0,6x3,5 M | 06.502.5000.0 | 10        |
| <b>Accessories for WTP 6/10...</b>  |                          | Type                 | Part No.      | Std. Pack |
| Cross connector, insulated          | 2 pole                   | IVB WKFN 6–2         | Z7.282.5227.0 | 10        |
|                                     | 3 pole                   | IVB WKFN 6–3         | Z7.282.5327.0 | 10        |
|                                     | 4 pole                   | IVB WKFN 6–4         | Z7.282.5427.0 | 10        |
|                                     | 5 pole                   | IVB WKFN 6–5         | Z7.282.5527.0 | 10        |
|                                     | 10 pole                  | IVB WKFN 6–10        | Z7.282.6027.0 | 10        |
| Test plug                           |                          | ST 2/2,3             | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated            |                          | DIN 5264 B 0,8x4     | 06.502.4100.0 | 5         |

## Ground blocks with push-in connection

### WTP 2,5/4 PE

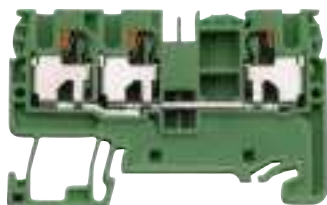
- Ground block with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                                                                                      | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------------------------------------------------------------------------|---------------|------------|
| Ground block, green/yellow            | WTP 2,5/4 PE                                                                              | 56.203.9055.0 | 100        |
| <b>General data</b>                   |                                                                                           |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 47 mm / 38 mm                                                                      |               |            |
| Wire strip length                     | 11 mm                                                                                     |               |            |
| Approvals                             |  pending |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2                                                                             |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup>                                                                     |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup>                                                                     |               |            |
| Cross section, AWG                    |                                                                                           | 24–12         | 24–12      |
| Rated current                         |                                                                                           |               |            |
| Rated voltage                         | 1000 V                                                                                    | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                                                                                      |               |            |
| Pollution degree                      | 3                                                                                         |               |            |
| <b>Accessories</b>                    |                                                                                           |               |            |
|                                       | Type                                                                                      | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5                                                                                  | 07.312.6755.0 | 10         |
| Partition, gray                       | TWPN 2,5                                                                                  | 07.312.6855.0 | 10         |

### WTP 2,5/4 D1/2/PE

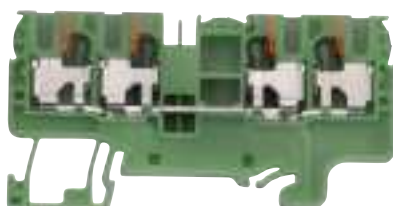
- Duo ground block with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                                                                                        | Part No.      | Std. Pack  |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------------|------------|
| Ground block, green/yellow            | WTP 2,5/4 D1/2/PE                                                                           | 56.203.9355.0 | 100        |
| <b>General data</b>                   |                                                                                             |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 60 mm / 38 mm                                                                        |               |            |
| Wire strip length                     | 11 mm                                                                                       |               |            |
| Approvals                             |  pending |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                  | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2                                                                               |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup>                                                                       |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup>                                                                       |               |            |
| Cross section, AWG                    |                                                                                             | 24–12         | 24–12      |
| Rated current                         |                                                                                             |               |            |
| Rated voltage                         | 1000 V                                                                                      | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                                                                                        |               |            |
| Pollution degree                      | 3                                                                                           |               |            |
| <b>Accessories</b>                    |                                                                                             |               |            |
|                                       | Type                                                                                        | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5 D1/2                                                                               | 07.312.6955.0 | 10         |
| Partition, gray                       | TWPN 2,5 D1/2                                                                               | 07.312.7055.0 | 10         |

### WTP 2,5/4 D2/2/PE

- Duo ground block with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>

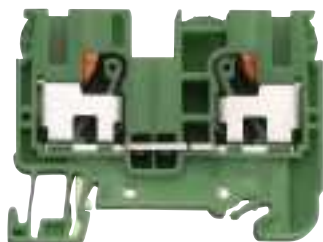


| Description                           | Type                                                                                        | Part No.      | Std. Pack  |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------------|------------|
| Ground block, green/yellow            | WTP 2,5/4 D2/2/PE                                                                           | 56.203.9155.0 | 100        |
| <b>General data</b>                   |                                                                                             |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 72 mm / 38 mm                                                                        |               |            |
| Wire strip length                     | 11 mm                                                                                       |               |            |
| Approvals                             |  pending |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                  | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2                                                                               |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup>                                                                       |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup>                                                                       |               |            |
| Cross section, AWG                    |                                                                                             | 24–12         | 24–12      |
| Rated current                         |                                                                                             |               |            |
| Rated voltage                         | 1000 V                                                                                      | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                                                                                        |               |            |
| Pollution degree                      | 3                                                                                           |               |            |
| <b>Accessories</b>                    |                                                                                             |               |            |
|                                       | Type                                                                                        | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5 D2/2                                                                               | 07.312.7155.0 | 10         |
| Partition, gray                       | TWPN 2,5 D2/2                                                                               | 07.312.7255.0 | 10         |

## Ground blocks with push-in connection

### WTP 6/10 PE

- Ground block with push-in connection for mounting on TS 35
- Nominal cross section 10 mm<sup>2</sup>



| Description                           | Type                   | Part No.      | Std. Pack  |
|---------------------------------------|------------------------|---------------|------------|
| Ground block, green/yellow            | WTP 6/10 PE            | 56.206.9055.0 | 100        |
| <b>General data</b>                   |                        |               |            |
| Width / length / height, incl. TS 7.5 | 8 mm / 58 mm / 44 mm   |               |            |
| Wire strip length                     | 12 mm                  |               |            |
| Approvals                             |                        |               | pending    |
| <b>Technical data</b>                 | <b>IEC</b>             | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2          |               |            |
| Cross section fine-stranded           | 0.2–10 mm <sup>2</sup> |               |            |
| Cross section solid/stranded          | 0.2–10 mm <sup>2</sup> |               |            |
| Cross section, AWG                    |                        | 22–8          | 22–8       |
| Rated current                         |                        |               |            |
| Rated voltage                         | 1000 V                 | 600 V         | 600 V      |
| Rated impulse voltage                 | 8 kV                   |               |            |
| Pollution degree                      | 3                      |               |            |
| <b>Accessories</b>                    |                        |               |            |
| End plate, gray                       | AP WTP 6/10            | 07.313.4155.0 | 10         |
| Partition, gray                       | TW WTP 6/10            | 07.313.4255.0 | 10         |

## Accessories for *fasis* WTP...

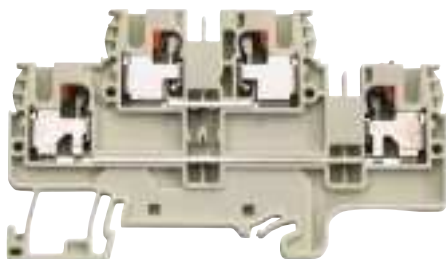


| Accessories for WTP 2,5/4...   |                          | Type                 | Part No.      | Std. Pack |
|--------------------------------|--------------------------|----------------------|---------------|-----------|
| Cross connector, insulated     | 2 pole                   | IVB WKF 2,5–2        | Z7.280.6227.0 | 10        |
|                                | 3 pole                   | IVB WKF 2,5–3        | Z7.280.6327.0 | 10        |
|                                | 4 pole                   | IVB WKF 2,5–4        | Z7.280.6427.0 | 10        |
|                                | 5 pole                   | IVB WKF 2,5–5        | Z7.280.6527.0 | 10        |
|                                | 6 pole                   | IVB WKF 2,5–6        | Z7.280.6627.0 | 10        |
|                                | 7 pole                   | IVB WKF 2,5–7        | Z7.280.6727.0 | 20        |
|                                | 8 pole                   | IVB WKF 2,5–8        | Z7.280.6827.0 | 20        |
|                                | 9 pole                   | IVB WKF 2,5–9        | Z7.280.6927.0 | 20        |
|                                | 10 pole                  | IVB WKF 2,5–10       | Z7.280.7027.0 | 20        |
|                                | 20 pole                  | IVB WKF 2,5–20       | Z7.280.8027.0 | 20        |
| Wire entry guide               | 0.13–0.2 mm <sup>2</sup> | LELN 2,5/1 WEISS     | 05.564.3755.0 | 100       |
|                                | 0.25–0.5 mm <sup>2</sup> | LELN 2,5/2 GRAU      | 05.564.3855.0 | 100       |
|                                | 0.75–1.0 mm <sup>2</sup> | LELN 2,5/3 SCHWARZ   | 05.564.3955.0 | 100       |
| Test adapter, modular          |                          | PS WKC/F             | Z1.299.9753.0 | 10        |
| Test plug                      |                          | ST 2/2,3             | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated       |                          | DIN 5264 B 0,6x3,5   | 06.502.4000.0 | 5         |
| Screwdriver, uninsulated, MINI |                          | DIN 5264 B 0,6x3,5 M | 06.502.5000.0 | 10        |
| Accessories for WTP 6/10...    |                          | Type                 | Part No.      | Std. Pack |
| Cross connector, insulated     | 2 pole                   | IVB WKFN 6–2         | Z7.282.5227.0 | 10        |
|                                | 3 pole                   | IVB WKFN 6–3         | Z7.282.5327.0 | 10        |
|                                | 4 pole                   | IVB WKFN 6–4         | Z7.282.5427.0 | 10        |
|                                | 5 pole                   | IVB WKFN 6–5         | Z7.282.5527.0 | 10        |
|                                | 10 pole                  | IVB WKFN 6–10        | Z7.282.6027.0 | 10        |
| Test plug                      |                          | ST 2/2,3             | Z5.553.2921.0 | 10        |
| Screwdriver, uninsulated       |                          | DIN 5264 B 0,8x4     | 06.502.4100.0 | 5         |

## Multi-tier blocks with push-in connection

### WTP 2,5/4 E

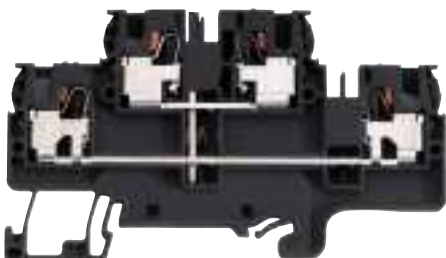
- Multi-tier block with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                                                                                      | Part No.      | Std. Pack  |
|---------------------------------------|-------------------------------------------------------------------------------------------|---------------|------------|
| Multi-tier block, gray                | WTP 2,5/4 E                                                                               | 56.203.7055.0 | 100        |
| <b>General data</b>                   |                                                                                           |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 82 mm / 48 mm                                                                      |               |            |
| Wire strip length                     | 11 mm                                                                                     |               |            |
| Approvals                             |  pending |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-1                                                                             |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup>                                                                     |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup>                                                                     |               |            |
| Cross section, AWG                    |                                                                                           | 24–12         | 24–12      |
| Rated current                         | 24 A                                                                                      | 20 A          | 20 A       |
| Rated voltage                         | 500 V                                                                                     | 300 V         | 300 V      |
| Rated impulse voltage                 | 6 kV                                                                                      |               |            |
| Pollution degree                      | 3                                                                                         |               |            |
| <b>Accessories</b>                    |                                                                                           |               |            |
|                                       | Type                                                                                      | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5 E                                                                                | 07.312.7355.0 | 10         |
| Partition, gray                       | TWPN 2,5 E                                                                                | 07.312.7455.0 | 10         |
| Marking tag carrier, 2-fold           | BT 5/2                                                                                    | 04.243.0855.0 | 100        |

### WTP 2,5/4 E VB

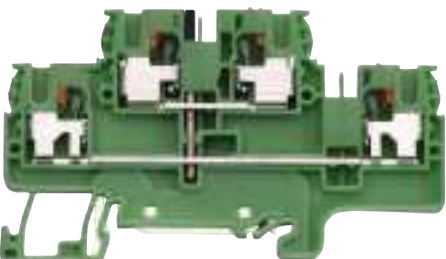
- Multi-tier block, vertically connected, with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                                                                                        | Part No.      | Std. Pack  |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------------|------------|
| Multi-tier block, black               | WTP 2,5/4 E VB                                                                              | 56.203.6955.1 | 100        |
| <b>General data</b>                   |                                                                                             |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 82 mm / 48 mm                                                                        |               |            |
| Wire strip length                     | 11 mm                                                                                       |               |            |
| Approvals                             |  pending |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                  | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2                                                                               |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup>                                                                       |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup>                                                                       |               |            |
| Cross section, AWG                    |                                                                                             | 24–12         | 24–12      |
| Rated current                         | 24 A                                                                                        | 20 A          | 20 A       |
| Rated voltage                         | 500 V                                                                                       | 600 V         | 600 V      |
| Rated impulse voltage                 | 6 kV                                                                                        |               |            |
| Pollution degree                      | 3                                                                                           |               |            |
| <b>Accessories</b>                    |                                                                                             |               |            |
|                                       | Type                                                                                        | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5 E                                                                                  | 07.312.7355.0 | 10         |
| Partition, gray                       | TWPN 2,5 E                                                                                  | 07.312.7455.0 | 10         |
| Marking tag carrier, 2-fold           | BT 5/2                                                                                      | 04.243.0855.0 | 100        |

### WTP 2,5/4 E PE

- Multi-tier ground block with push-in connection for mounting on TS 35
- Nominal cross section 4 mm<sup>2</sup>



| Description                           | Type                                                                                        | Part No.      | Std. Pack  |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------------|------------|
| Multi-tier ground block, green/yellow | WTP 2,5/4 E PE                                                                              | 56.203.8955.0 | 100        |
| <b>General data</b>                   |                                                                                             |               |            |
| Width / length / height, incl. TS 7.5 | 5 mm / 82 mm / 48 mm                                                                        |               |            |
| Wire strip length                     | 11 mm                                                                                       |               |            |
| Approvals                             |  pending |               |            |
| <b>Technical data</b>                 | <b>IEC</b>                                                                                  | <b>UL</b>     | <b>CSA</b> |
|                                       | EN 60 947-7-2                                                                               |               |            |
| Cross section fine-stranded           | 0.2–4 mm <sup>2</sup>                                                                       |               |            |
| Cross section solid/stranded          | 0.2–4 mm <sup>2</sup>                                                                       |               |            |
| Cross section, AWG                    |                                                                                             | 24–12         | 24–12      |
| Rated current                         |                                                                                             |               |            |
| Rated voltage                         | 500 V                                                                                       | 600 V         | 600 V      |
| Rated impulse voltage                 | 6 kV                                                                                        |               |            |
| Pollution degree                      | 3                                                                                           |               |            |
| <b>Accessories</b>                    |                                                                                             |               |            |
|                                       | Type                                                                                        | Part No.      | Std. Pack  |
| End plate, gray                       | APFN 2,5 E                                                                                  | 07.312.7355.0 | 10         |

## Accessories for *fasis* WTP 2,5/4...



| Accessories                                      |                                     | Type                 | Part No.       | Std. Pack     |    |
|--------------------------------------------------|-------------------------------------|----------------------|----------------|---------------|----|
| <div> <div></div> <div></div> <div></div> </div> | Cross connector, insulated          | 2 pole               | IVB WKF 2,5-2  | Z7.280.6227.0 | 10 |
|                                                  |                                     | 3 pole               | IVB WKF 2,5-3  | Z7.280.6327.0 | 10 |
|                                                  |                                     | 4 pole               | IVB WKF 2,5-4  | Z7.280.6427.0 | 10 |
|                                                  |                                     | 5 pole               | IVB WKF 2,5-5  | Z7.280.6527.0 | 10 |
|                                                  |                                     | 6 pole               | IVB WKF 2,5-6  | Z7.280.6627.0 | 10 |
|                                                  |                                     | 7 pole               | IVB WKF 2,5-7  | Z7.280.6727.0 | 20 |
|                                                  |                                     | 8 pole               | IVB WKF 2,5-8  | Z7.280.6827.0 | 20 |
|                                                  |                                     | 9 pole               | IVB WKF 2,5-9  | Z7.280.6927.0 | 20 |
|                                                  |                                     | 10 pole              | IVB WKF 2,5-10 | Z7.280.7027.0 | 20 |
|                                                  |                                     | 20 pole              | IVB WKF 2,5-20 | Z7.280.8027.0 | 20 |
|                                                  | Vertical cross connector, insulated |                      | IVB WKF V      | Z7.261.1127.0 | 20 |
| Wire entry guide                                 | 0.13-0.2 mm <sup>2</sup>            | LELN 2,5/1 WEISS     | 05.564.3755.0  | 100           |    |
|                                                  | 0.25-0.5 mm <sup>2</sup>            | LELN 2,5/2 GRAU      | 05.564.3855.0  | 100           |    |
|                                                  | 0.75-1.0 mm <sup>2</sup>            | LELN 2,5/3 SCHWARZ   | 05.564.3955.0  | 100           |    |
| Test adapter, modular                            |                                     | PS WKC/F             | Z1.299.9753.0  | 10            |    |
| Test plug                                        |                                     | ST 2/2,3             | Z5.553.2921.0  | 10            |    |
| Screwdriver, uninsulated                         |                                     | DIN 5264 B 0,6x3,5   | 06.502.4000.0  | 5             |    |
| Screwdriver, uninsulated, MINI                   |                                     | DIN 5264 B 0,6x3,5 M | 06.502.5000.0  | 10            |    |

## Accessories



## Software



## Service



# Accessories and Service

To complement our products, we offer a comprehensive portfolio of accessories and services for terminal blocks.

Wieland offers a variety of product-specific accessories for its terminal blocks, for example covers and isolating plates as well as assembly materials such as mounting rails or tools for working with our products.

Marking solutions such as **wieplot** and **wiemarc** for DIN rail terminal blocks and other components in the control cabinet, the planning software **wieplan** for design of rail assemblies, and our value-add service for rail assemblies, all make working with Wieland DIN rail terminal blocks effortless, and achieve a true added value.



## Shielded cable terminals, type SKN



With the SKN shielding connection clamps for our rail terminal blocks, we offer the ability to connect shielded cables and wires in the control cabinet to the grounding system in a safe and easy manner.



### Application

- Mounting directly in front of the terminal blocks through use of a rail holder that attaches to the mounting rail
- Mounting on insulated rail holders independent of the DIN mounting rail, inside the control cabinet

### The system

- Easy and secure contact without damaging the shield
- Stainless spring steel compression clamp ensures continuous and consistent contact
- High corrosion resistance of contact parts
- Spring clamping yoke available in various sizes
- Plastic rail holder for insulated rail mounting

### SKN...

- Shielded cable terminals
- Material: nickel-plated brass



| Description              | Type       | Part No.      | Std. Pack |
|--------------------------|------------|---------------|-----------|
| Shielded cable terminals | SKN1,5-6,5 | Z2.803.1328.0 | 10        |
| Shielded cable terminals | SKN5-11    | Z2.803.1428.0 | 10        |
| Shielded cable terminals | SKN10-17   | Z2.803.1528.0 | 10        |
| Shielded cable terminals | SKN16-24   | Z2.803.1628.0 | 10        |

| Type<br>(shielded cable diameter) | Clamping | B     | L     | H <sub>max</sub> |
|-----------------------------------|----------|-------|-------|------------------|
| SKN1,5-6,5                        | 8-13 N   | 10 mm | 25 mm | 33,5 mm          |
| SKN5-11                           | 22-31 N  | 17 mm | 25 mm | 41 mm            |
| SKN10-17                          | 32-58 N  | 23 mm | 25 mm | 57 mm            |
| SKN16-24                          | 37-53 N  | 30 mm | 25 mm | 71 mm            |

**Busbar support**

- Tin-plated steel

**WE SH 1/35****WE SH 2/35****WE SH 3/35****WE SH 4/35**

- Plastic, black

**SKN SH/35/F**

| Accessories                                  | Type        | Part No.      | Std. Pack |
|----------------------------------------------|-------------|---------------|-----------|
| Busbar support (one-sided), tin-plated steel | WE SH 1/35  | Z5.515.3310.0 | 20        |
| Busbar support (two-sided), tin-plated steel | WE SH 2/35  | Z5.515.3410.0 | 20        |
| Busbar support (one-sided), tin-plated steel | WE SH 3/35  | Z5.519.0310.0 | 25        |
| Busbar support (two-sided), tin-plated steel | WE SH 4/35  | Z5.519.0410.0 | 25        |
| Busbar support plastic, black                | SKN SH/35/F | Z1.980.0153.0 | 10        |

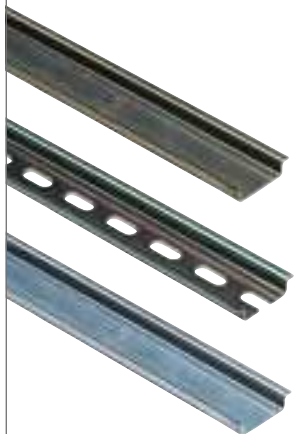
**Accessories****WAK 35/4GN**

| Accessories                                    | Type       | Part No.      | Std. Pack |
|------------------------------------------------|------------|---------------|-----------|
| Ground terminal, tin-plated steel green-yellow | WAK 35/4GN | 30.494.4210.7 | 10        |
| Busbar, Cu tin-plated ,18x3 mm L = 1 m         | 18 x 3MSN  | 98.291.1000.0 | 10        |

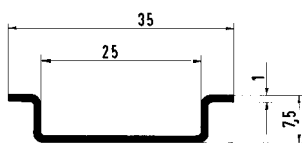
## Mounting rails

### Mounting rail 35x7,5 according to DIN EN 60715

- Length 2 m

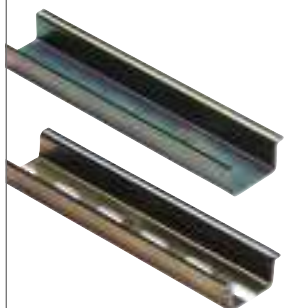


| Description                                        | Type                   | Part No.      | Std. Pack |
|----------------------------------------------------|------------------------|---------------|-----------|
| Steel, galv. zinc-plated and dichromated unslotted | 35 x 27 x 7,5 EN 60715 | 98.300.0000.0 | 1         |
| Steel, galv. zinc-plated and dichromated slotted   | 35 x 27 x 7,5 EN 60715 | 98.300.1000.0 | 1         |
| Steel, unplated unslotted                          | 35 x 27 x 7,5 EN 60715 | 98.300.0010.0 | 1         |

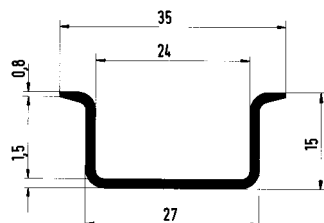


### Mounting rail 35x15 according to DIN EN 60715

- Length 2 m

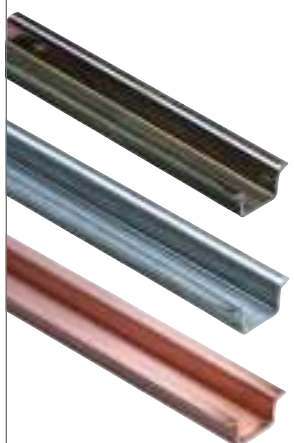


| Description                                        | Type                  | Part No.      | Std. Pack |
|----------------------------------------------------|-----------------------|---------------|-----------|
| Steel, galv. zinc-plated and dichromated unslotted | 35 x 27 x 15 EN 60715 | 98.370.0000.0 | 1         |
| Steel, galv. zinc-plated and dichromated slotted   | 35 x 27 x 15 EN 60715 | 98.370.1000.0 | 1         |
| Steel, galv. zinc-plated and dichromated slotted   | 35 x 27 x 15 EN 60715 | 98.375.1000.0 | 1         |
| Steel, V2A slotted                                 | 35 x 27 x 15 EN 60715 | 98.370.1001.0 | 1         |

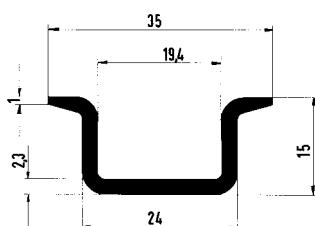


### Mounting rail 35x15 according to DIN EN 60715

- Length 2 m



| Description                                        | Type                     | Part No.      | Std. Pack |
|----------------------------------------------------|--------------------------|---------------|-----------|
| Steel, galv. zinc-plated and dichromated unslotted | 35 x 24 x 15 EN 60715    | 98.360.0000.0 | 1         |
| Steel, hot-galvanized unslotted                    | 35 x 24 x 15 EN 60715 ZN | 98.360.0004.0 | 1         |
| E-copper unslotted                                 | 35 x 24 x 15 EN 60715 CU | 98.380.0000.0 | 10        |

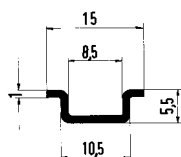


### Mounting rail 15x5,5 according to DIN EN 60715

- Length 2 m

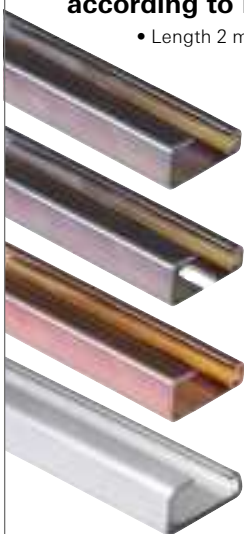


| Description                              | Type      | Part No.                 | Std. Pack     |
|------------------------------------------|-----------|--------------------------|---------------|
| Steel, galv. zinc-plated and dichromated | unslotted | 9021 / 15 x 5,5 EN 60715 | 98.090.0015.0 |
| Steel, galv. zinc-plated and dichromated | slotted   | 9021 / 15 x 5,5 EN 60715 | 98.090.0000.0 |

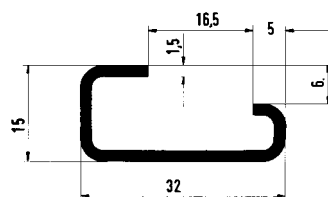


### Mounting rail 15x5,5 according to DIN EN 60715

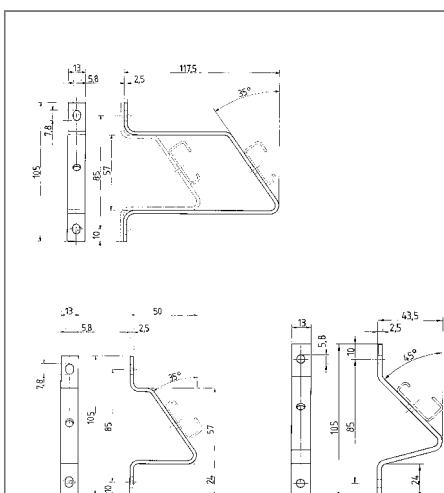
- Length 2 m



| Description                              | Type      | Part No.           | Std. Pack     |
|------------------------------------------|-----------|--------------------|---------------|
| Steel, galv. zinc-plated and dichromated | unslotted | 9006 EN 60715 G-32 | 98.190.0000.0 |
| Steel, galv. zinc-plated and dichromated | slotted   | 9006 EN 60715 G-32 | 98.190.1000.0 |
| E-copper                                 | unslotted | 9006 E-CU          | 98.220.0000.0 |
| Aluminium                                | unslotted | 9006 AL            | 98.210.0000.0 |



## Accessories



| Accessories                                   | Type   | Part No.      | Std. Pack |
|-----------------------------------------------|--------|---------------|-----------|
| Angled support bracket with mounting material | 9018 D | Z5.516.2511.0 | 50        |
| Angled support bracket with mounting material | 9018 H | Z5.516.2711.0 | 50        |
| Angled support bracket with mounting material | 9018 N | Z5.516.2811.0 | 50        |

## End clamps

### End clamp for TS 35 snap-on mounting



| Description     |           | Type      | Part No.      | Std. Pack |
|-----------------|-----------|-----------|---------------|-----------|
| End clamp TS 35 | 5 mm wide | WEF 2 /35 | Z5.523.9453.0 | 100       |

### End clamp for TS 35 snap-on mounting



| Description                            |              | Type          | Part No.      | Std. Pack |
|----------------------------------------|--------------|---------------|---------------|-----------|
| End clamp TS 35                        | 8 mm wide    | WEF 1 /35     | Z5.523.9353.0 | 100       |
| End clamp TS 35                        | 17,5 mm wide | WEF 1 BS /35  | 69.920.1053.0 | 100       |
| End clamp TS 35                        | 8 mm wide    | WEF 1 BSS /35 | 69.920.1253.0 | 100       |
| <b>Accessories</b>                     |              | Type          | Part No.      | Std. Pack |
| Marking tag for WEF 1 /35              | wide         | BS/R          | Z4.243.8453.0 | 100       |
| Marking cardboard in perforated sheets | 100 tags/sh. |               | 04.019.0289.0 | 10        |
| Marking tag for WEF 1 /35              | small        |               | 04.243.8550.0 | 10        |
| Marking cardboard in perforated sheets | small        |               | 04.019.1189.0 | 10        |

### End clamp for TS 35 screw mounting



| Description                            |              | Type         | Part No.      | Std. Pack |
|----------------------------------------|--------------|--------------|---------------|-----------|
| End clamp TS 35                        | 8 mm wide    | 9708/2 S 35  | Z5.522.8553.0 | 100       |
| End clamp TS 35                        | 17,5 mm wide | 9708/2 BS 35 | 69.920.0553.0 | 100       |
| <b>Accessories</b>                     |              | Type         | Part No.      | Std. Pack |
| Marking cardboard in perforated sheets | 100 tags/sh. |              | 04.019.0289.0 | 10        |

### End clamp with with U-foot screw mounting



| Description                                        |              | Type       | Part No.      | Std. Pack |
|----------------------------------------------------|--------------|------------|---------------|-----------|
| End clamp with U-foot                              | 10 mm wide   | WE 1 /U    | Z5.523.5753.0 | 100       |
| End clamp with U-foot<br>with marking facilities   | 17,5 mm wide | WE 1 BS /U | 69.920.0753.0 | 100       |
| End clamp with U-foot                              | 10 mm wide   | WE 2 /U    | Z5.523.5653.0 | 100       |
| End clamp with U-foot<br>with marking facilities   | 17,5 mm wide | WE 2 BS /U | 69.920.0653.0 | 100       |
| <b>Accessories</b>                                 |              | Type       | Part No.      | Std. Pack |
| Marking cardboard in perforated sheets 100tags/sh. |              |            | 04.019.0289.0 | 10        |

### End clamp for TS 15 screw mounting



| Description        |             | Type      | Part No.      | Std. Pack |
|--------------------|-------------|-----------|---------------|-----------|
| End clamp, plastic | 7,5 mm wide | 9208 S 15 | Z5.522.7553.0 | 100       |
| End clamp, steel   | 5 mm wide   | 9222 S 15 | Z5.522.5010.0 | 100       |

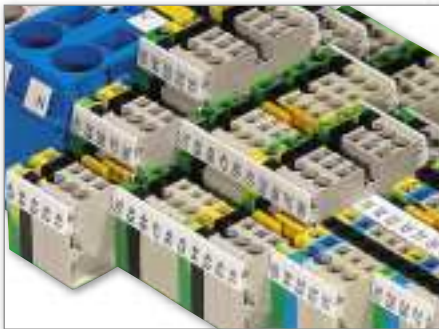
## Configuration and marking systems



Individual marking of DIN rail terminal blocks means **wiemarc** and **wieplot** at Wieland Electric. The **wiemarc** software was developed to provide you with maximum flexibility in marking your terminal block assemblies. Together with the **wieplot** plotter you have a powerful marking system that enables you to work professionally from the individual marking tag to series marking of your terminal block assemblies. You feel confident with the system due to its easy handling and visual representation of your marking, even when you use it for the first time.

But **wieplot** offers even more!

In addition to the marking tags for DIN rail terminal blocks you can also print self-adhesive tags and labels or cable markings. A slight modification can even make your plotter a powerful engraving system.



### **selos – fasis**

#### **Marking with a system**

- Individual marking of all terminal blocks for clear wire/termination point assignment
- One single marking system for all designs
- Marking of individual tags; marking strips that correspond to the exact widths of the terminal blocks; or group markings
- Individual planning of terminal block assemblies and markings with **wieplan**



### **wieplot**

#### **Ready for universal use**

- Marks all common marking systems available for DIN rail terminal blocks
- Different marking tags can be marked individually in one single work step
- Marking of labels, self-adhesive tags and cables is possible



### **wiemarc**

#### **Easy and quick**

- Simple and intuitive user interface
- Direct graphical display of the marking tags including plausibility check
- Customized layouts can be created individually
- Data import from CAD, Excel, text or **wieplan** files



### **wieplot engraving system**

#### **Durable and safe –wieplot engraving system**

- Easy modification to **wieplot** to make it an engraving system
- Engraving of multi-layer plastic boards
- Clean and dust-proof operation due to integrated vacuum device
- Create individual layouts using **wiemarc**

## Plotter system *wieplot*



| Description      | Type          | Part No.      | Std. Pack |
|------------------|---------------|---------------|-----------|
| Complete package | wieplot 500   | 95.502.0604.0 | 1         |
| Complete package | wieplot BASIC | 95.502.0607.0 | 1         |

**Contents:** Plotter **wieplot**, data cable and manual, 4 receptacles (**wieplot**<sup>500</sup>) / 2 receptacles (**wieplot**<sup>BASIC</sup>) for WSB (Wieland standard marking system), accessories kit, **wiemarc** software

**Description:**  
With **wiemarc** you can create customized marking data on your PC. These can then be output on the **wieplot** plotter system to various marking plates.

**Technical data:**  
Resolution: 0.01 mm  
Accuracy: +/- 0.05 mm  
Power supply unit: 50/60 Hz, 100-240 V  
Output voltage: 24 V DC 1.4 A  
Current input: app. 0.3 A at 220 V  
Approval: UL-UL1950, CSA 950, VDE EN 60950  
Radio interf. suppr.: FCC class B, FCC sect. 15 and VDE class B  
Dim. / Weight: 660 mm x 440 mm x 125 mm / 8 kg (**wieplot**<sup>500</sup>)  
Interfaces: USB Level 1.1, parallel

## Accessories for *wieplot*



| Plotter pens for <i>wieplot</i> | Part No.      | Type                      | Part No.      |
|---------------------------------|---------------|---------------------------|---------------|
| Plotter pen 0.18 mm             | 95.502.0118.0 | Ink cartridge P2.0, 5x1ml | 95.502.0199.0 |
| Plotter pen 0.25 mm             | 95.502.0125.0 | Cleaning set              | 95.502.0198.0 |
| Plotter pen 0.35 mm             | 95.502.0135.0 | Pen cleaner               | 95.502.0197.0 |
| Plotter pen 0.50 mm             | 95.502.0150.0 | Dust protection hood      | 95.502.0612.0 |
| Plotter pen 0.70 mm             | 95.502.0170.0 | Service kit – pen station | 95.502.0613.0 |
| Plotter pen 1.00 mm             | 95.502.0100.0 | Seal inserts kit          |               |
| Dispos plotter pen 0.25 mm      | 95.502.0125.1 |                           |               |
| Dispos plotter pen 0.35 mm      | 95.502.0135.1 |                           |               |
| Dispos plotter pen-D ED 0.25 mm | 95.502.0225.1 |                           |               |
| Dispos plotter pen-D ED 0.35 mm | 95.502.0235.1 |                           |               |

| Receptacles for marking plates |               |
|--------------------------------|---------------|
| Type                           | Part No.      |
| Receptacle for WSB             | 95.502.0620.0 |
| Receptacle for BZ/WKF 15,      | 95.502.0627.0 |
| Receptacle for BZ/WKF 1,5/10   | 95.502.0628.0 |

## Engraving unit for *wieplot*<sup>500</sup>



| Description    | Type               | Part No.      | Std. Pack |
|----------------|--------------------|---------------|-----------|
| Engraving unit | wieplot 500 E-UNIT | 95.502.0700.0 | 1         |

**Contents:** Engraving spindle, engraving head (with fuse and counter bearing), control unit **wieplot** VEC 500, vacuum cleaner **wieplot** vc 500, connection cables

**Description:**  
The **wieplot** 500 E-UNIT engraving unit has been designed for use with the **wieplot** 500 plotter. The system is set up for engraving multi-layer plastic tags. The Plotboard A4 in a 297 x 202 mm format is the receptacle for marking paper sheets and labels and also enables engraving of plastic boards.

| Accessories          | Type         | Part No.      | Std. Pack |
|----------------------|--------------|---------------|-----------|
| Graver SET, complete | SET          | 95.502.0710.0 | 1         |
| Graver               | 0.2 mm       | 95.502.0710.2 | 1         |
| Graver               | 0.3 mm       | 95.502.0710.3 | 1         |
| Graver               | 0.4 mm       | 95.502.0710.4 | 1         |
| Graver               | 0.5 mm       | 95.502.0710.5 | 1         |
| Graver               | 0.7 mm       | 95.502.0710.7 | 1         |
| Graver               | 1.0 mm       | 95.502.0711.0 | 1         |
| Receptacle           | Plotboard A4 | 95.502.0625.0 | 1         |

## Marking computer *marcom 2*



| Description      | Type     | Part No.      | Std. Pack |
|------------------|----------|---------------|-----------|
| Marking computer | marcom 2 | 95.502.0000.0 | 1         |

**Contents:** Marking computer in case, european power supply unit, power pack, data cassette with job memory, marking tag carrier, plotter pen, 0.25 mm, cleaning set

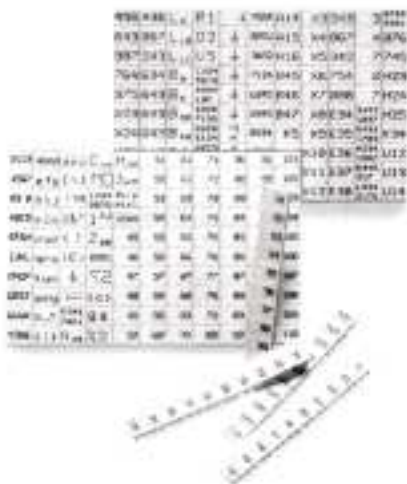
**Description:**  
**marcom 2** is a freely programmable marking computer for DIN rail terminal blocks, pluggable connectors, switching devices and cables. The computer provides of a large number of fonts, with numerical and alphanumerical characters and symbols. **marcom 2** is portable and can be used at any location; it can be operated either using the mains or batteries.

**Technical data:**  
Operator panel: 190 mm x 45 mm  
Resolution: 0.01 mm  
Power supply unit: 50/60 Hz, 100-230 V  
Output voltage: 9.5 V (150 mV/1.4 VA) – 14 V (450 mA/6.3 VA)  
Replaceable battery: 16.8 V (14 NiCd-Zellen)  
Dimensions: 380 mm x 190 mm x 63 mm  
Weight: 6.2 kg

## Marking accessories

### Marking plates

- For **marcom 2** marking computer
- For **wieplot<sup>500</sup>** plotter system



| Description            |                    | Type           | Part No.      | Std. Pack |
|------------------------|--------------------|----------------|---------------|-----------|
| <b>Unmarked</b>        |                    |                |               |           |
| Width <b>5</b> x 8.3mm | 110 tags per plate | 9075 A/5/10/11 | Z4.242.5053.0 | 10        |
| Width <b>5</b> x 14mm  | 60 tags per plate  | 9705 AL/5/10/6 | Z4.242.5153.0 | 10        |
| Width <b>6</b> x 8.3mm | 110 tags per plate | 9075 A/6/10/11 | Z4.242.6053.0 | 10        |
| Width <b>6</b> x 14mm  | 60 tags per plate  | 9705 AL/6/10/6 | Z4.242.6153.0 | 10        |
| Width <b>8</b> x 8.3mm | 70 tags per plate  | 9075 A/8/10/7  | Z4.242.8053.0 | 10        |

### Single marking tag All blocks/ 5 mm wide and larger

\*) Custom marking upon request



| Description             | Type        | Part No.      | Std. Pack |
|-------------------------|-------------|---------------|-----------|
| <b>Unmarked</b>         |             |               |           |
| Width 5 x <b>8.3</b> mm | 9705 A      | 04.242.0850.0 | 500       |
| Width 5 x <b>14</b> mm  | 9705 AL     | 04.242.1553.0 | 500       |
| <b>Marked</b>           |             |               |           |
| Width 5 x <b>8.3</b> mm | 9705 AB *)  | 04.842.0850.0 | 500       |
| Width 5 x <b>14</b> mm  | 9705 ALB *) | 04.842.1553.0 | 500       |

### Marking strips 2,5 mm<sup>2</sup>/5 mm wide

\*) Custom marking upon request



| Description                       | Type                    | Part No.      | Std. Pack |
|-----------------------------------|-------------------------|---------------|-----------|
| <b>Unmarked</b>                   |                         |               |           |
|                                   | 9705 A/5/10             | 04.242.5053.0 | 25        |
| <b>Marked</b>                     |                         |               |           |
| 1 – 9                             | 9705A/5/9 B 1 - 9       | 04.842.4953.0 | 25        |
| *)                                | 9705A/5/10 B            | 04.842.5053.0 | 25        |
| 1 – 10                            | 9705A/5/10 B 1 - 10     | 04.845.0153.0 | 25        |
| 11 – 20                           | 9705A/5/10 B 11 - 20    | 04.845.0253.0 | 25        |
| 21 – 30                           | 9705A/5/10 B 21 - 30    | 04.845.0353.0 | 25        |
| 31 – 40                           | 9705A/5/10 B 31 - 40    | 04.845.0453.0 | 25        |
| 41 – 50                           | 9705A/5/10 B 41 - 50    | 04.845.0553.0 | 25        |
| 51 – 60                           | 9705A/5/10 B 51 - 60    | 04.845.0653.0 | 25        |
| 61 – 70                           | 9705A/5/10 B 61 - 70    | 04.845.0753.0 | 25        |
| 71 – 80                           | 9705A/5/10 B 71 - 80    | 04.845.0853.0 | 25        |
| 81 – 90                           | 9705A/5/10 B 81 - 90    | 04.845.0953.0 | 25        |
| 91 – 100                          | 9705A/5/10 B 91 - 100   | 04.845.1053.0 | 25        |
| ⊕ (10x)                           | 9705A/5/10B SLZ         | 04.855.0053.0 | 25        |
| ≠ (10x)                           | 9705A/5/10B ERDZ        | 04.855.0153.0 | 25        |
| +                                 | 9705A/5/10 B +          | 04.855.0253.0 | 25        |
| -                                 | 9705A/5/10 B -          | 04.855.0353.0 | 25        |
| L1 (10x)                          | 9705A/5/10B L1          | 04.855.0453.0 | 25        |
| L2 (10x)                          | 9705A/5/10B L2          | 04.855.0553.0 | 25        |
| L3 (10x)                          | 9705A/5/10B L3          | 04.855.0653.0 | 25        |
| PE (10x)                          | 9705A/5/10B PE          | 04.855.0753.0 | 25        |
| SL (10x)                          | 9705A/5/10B SL          | 04.855.3153.0 | 25        |
| N (10x)                           | 9705A/5/10B N           | 04.855.3253.0 | 25        |
| F1 (10x)                          | 9705A/5/10B F1          | 04.855.0953.0 | 25        |
| F2 (10x)                          | 9705A/5/10B F2          | 04.855.1053.0 | 25        |
| L1,L2,L3,N,PE (10x)               | 9705A/5/10B L1L2L3NPE.. | 04.855.0853.0 | 25        |
| <b>With enlarged marking area</b> |                         |               |           |
|                                   | 9705 AL/5/10            | 04.242.5153.0 | 25        |

### Marking strips 4 mm<sup>2</sup>/6 mm wide

\*) Custom marking upon request



| Description                       | Type                     | Part No.      | Std. Pack |
|-----------------------------------|--------------------------|---------------|-----------|
| <b>Unmarked</b>                   | 9705 A/6/10              | 04.242.6053.0 | 25        |
| <b>Marked</b>                     |                          |               |           |
| 1 – 9                             | 9705A/6/9 B 1 - 9        | 04.842.5953.0 | 25        |
| *)                                | 9705A/6/10 B             | 04.842.6053.0 | 25        |
| 1 – 10                            | 9705A/6/10 B 1 - 10      | 04.846.0153.0 | 25        |
| 11 – 20                           | 9705A/6/10 B 11 - 20     | 04.846.0253.0 | 25        |
| 21 – 30                           | 9705A/6/10 B 21 - 30     | 04.846.0353.0 | 25        |
| 31 – 40                           | 9705A/6/10 B 31 - 40     | 04.846.0453.0 | 25        |
| 41 – 50                           | 9705A/6/10 B 41 - 50     | 04.846.0553.0 | 25        |
| 51 – 60                           | 9705A/6/10 B 51 - 60     | 04.846.0653.0 | 25        |
| 61 – 70                           | 9705A/6/10 B 61 - 70     | 04.846.0753.0 | 25        |
| 71 – 80                           | 9705A/6/10 B 71 - 80     | 04.846.0853.0 | 25        |
| 81 – 90                           | 9705A/6/10 B 81 - 90     | 04.846.0953.0 | 25        |
| 91 – 100                          | 9705A/6/10 B 91 - 100    | 04.846.1053.0 | 25        |
| ⊕ (10x)                           | 9705A/6/10 B SLZ         | 04.856.0053.0 | 25        |
| ⊖ (10x)                           | 9705A/6/10 B ERDZ        | 04.856.0153.0 | 25        |
| +                                 | 9705A/6/10 B +           | 04.856.0253.0 | 25        |
| -                                 | 9705A/6/10 B -           | 04.856.0353.0 | 25        |
| L1 (10x)                          | 9705A/6/10 B L1          | 04.856.0453.0 | 25        |
| L2 (10x)                          | 9705A/6/10 B L2          | 04.856.0553.0 | 25        |
| L3 (10x)                          | 9705A/6/10 B L3          | 04.856.0653.0 | 25        |
| PE (10x)                          | 9705A/6/10 B PE          | 04.856.0753.0 | 25        |
| SL (10x)                          | 9705A/6/10 B SL          | 04.856.3153.0 | 25        |
| N (10x)                           | 9705A/6/10 B N           | 04.856.3253.0 | 25        |
| F1 (10x)                          | 9705A/6/10 B F1          | 04.856.0953.0 | 25        |
| F2 (10x)                          | 9705A/6/10 B F2          | 04.856.1053.0 | 25        |
| L1,L2,L3,N,PE (10x)               | 9705A/6/10 B L1L2L3NPE.. | 04.856.0853.0 | 25        |
| <b>With enlarged marking area</b> | 9705 AL/6/10             | 04.242.6353.0 | 25        |

### Marking strips 6 mm<sup>2</sup>/8 mm wide

\*) Custom marking upon request



| Description         | Type                     | Part No.      | Std. Pack |
|---------------------|--------------------------|---------------|-----------|
| <b>Unmarked</b>     | 9705 A/8/10              | 04.242.8053.0 | 25        |
| <b>Marked</b>       |                          |               |           |
| 1 – 9               | 9705A/8/9 B 1 - 9        | 04.842.7953.0 | 25        |
| *)                  | 9705A/8/10 B             | 04.842.8053.0 | 25        |
| 1 – 10              | 9705A/8/10 B 1 - 10      | 04.848.0153.0 | 25        |
| 11 – 20             | 9705A/8/10 B 11 - 20     | 04.848.0253.0 | 25        |
| 21 – 30             | 9705A/8/10 B 21 - 30     | 04.848.0353.0 | 25        |
| 31 – 40             | 9705A/8/10 B 31 - 40     | 04.848.0453.0 | 25        |
| 41 – 50             | 9705A/8/10 B 41 - 50     | 04.848.0553.0 | 25        |
| 51 – 60             | 9705A/8/10 B 51 - 60     | 04.848.0653.0 | 25        |
| 61 – 70             | 9705A/8/10 B 61 - 70     | 04.848.0753.0 | 25        |
| 71 – 80             | 9705A/8/10 B 71 - 80     | 04.848.0853.0 | 25        |
| 81 – 90             | 9705A/8/10 B 81 - 90     | 04.848.0953.0 | 25        |
| 91 – 100            | 9705A/8/10 B 91 - 100    | 04.848.1053.0 | 25        |
| ⊕ (10x)             | 9705A/8/10 B SLZ         | 04.858.0053.0 | 25        |
| ⊖ (10x)             | 9705A/8/10 B ERDZ        | 04.858.0153.0 | 25        |
| +                   | 9705A/8/10 B +           | 04.858.0253.0 | 25        |
| -                   | 9705A/8/10 B -           | 04.858.0353.0 | 25        |
| L1 (10x)            | 9705A/8/10 B L1          | 04.858.0453.0 | 25        |
| L2 (10x)            | 9705A/8/10 B L2          | 04.858.0553.0 | 25        |
| L3 (10x)            | 9705A/8/10 B L3          | 04.858.0653.0 | 25        |
| PE (10x)            | 9705A/8/10 B PE          | 04.858.0753.0 | 25        |
| SL (10x)            | 9705A/8/10 B SL          | 04.858.3153.0 | 25        |
| N (10x)             | 9705A/8/10 B N           | 04.858.3253.0 | 25        |
| F1 (10x)            | 9705A/8/10 B F1          | 04.858.0953.0 | 25        |
| F2 (10x)            | 9705A/8/10 B F2          | 04.858.1053.0 | 25        |
| L1,L2,L3,N,PE (10x) | 9705A/8/10 B L1L2L3NPE.. | 04.858.0853.0 | 25        |

### Marking strips 10 mm<sup>2</sup>/10 mm wide 16 mm<sup>2</sup>/12 mm wide 35 mm<sup>2</sup>/16 mm wide 70 mm<sup>2</sup>/24 mm wide



| Description                                      | Type            | Part No.      | Std. Pack |
|--------------------------------------------------|-----------------|---------------|-----------|
| <b>10 mm<sup>2</sup>/10 mm wide</b> for 5 blocks | 9705 A/5/10/5 B | 04.842.5553.0 | 25        |
| <b>16 mm<sup>2</sup>/12 mm wide</b> for 5 blocks | 9705 A/6/10/5 B | 04.842.6553.0 | 25        |
| <b>35 mm<sup>2</sup>/16 mm wide</b> for 5 blocks | 9705 A/8/10/5 B | 04.842.8553.0 | 25        |
| <b>70 mm<sup>2</sup>/24 mm wide</b> for 4 blocks | 9705 A/8/10/5 B | 04.842.8553.0 | 25        |

Specify required marking with part no.

## Marking accessories

### Tear-off marking strips marked with numbers

- With 10 marking tags
- For single symbol marking



| Description                                                             | Type         | Part No.      | Std. Pack |
|-------------------------------------------------------------------------|--------------|---------------|-----------|
| <b>Unmarked</b>                                                         | 9704 A       | 04.241.1150.0 | 25        |
| <b>Marked with the same number</b>                                      |              |               |           |
| 1                                                                       | 9704 A/1 B   | 04.841.1150.0 | 25        |
| 2                                                                       | 9704 A/2 B   | 04.841.1250.0 | 25        |
| 3                                                                       | 9704 A/3 B   | 04.841.1350.0 | 25        |
| 4                                                                       | 9704 A/4 B   | 04.841.1450.0 | 25        |
| 5                                                                       | 9704 A/5 B   | 04.841.1550.0 | 25        |
| 6                                                                       | 9704 A/6 B   | 04.841.1650.0 | 25        |
| 7                                                                       | 9704 A/7 B   | 04.841.1750.0 | 25        |
| 8                                                                       | 9704 A/8 B   | 04.841.1850.0 | 25        |
| 9                                                                       | 9704 A/9 B   | 04.841.1950.0 | 25        |
| 0                                                                       | 9704 A/0 B   | 04.841.2050.0 | 25        |
| <b>Marked with consecutive numbers</b>                                  |              |               |           |
| 1-0                                                                     | 9704 A/1-0 B | 04.841.2150.0 | 25        |
| <b>Marked with the same symbols</b>                                     |              |               |           |
| +                                                                       | 9704 A/+     | 04.841.7450.0 | 25        |
| -                                                                       | 9704 A/-     | 04.841.7550.0 | 25        |
| /                                                                       | 9704 A//     | 04.841.7650.0 | 25        |
| .                                                                       | 9704 A/.     | 04.841.7750.0 | 25        |
| <b>Set, marked with same numbers (= 10 x 25 strips = 2.500 numbers)</b> |              |               |           |
| 111 up to 000                                                           |              | 04.841.9050.0 | 1         |

### Tear-off marking strips marked with upper case letters

- With 10 marking tags
- For single symbol marking



| Description                                                                        | Type         | Part No.      | Std. Pack |
|------------------------------------------------------------------------------------|--------------|---------------|-----------|
| <b>Marked with the same upper case letters</b>                                     |              |               |           |
| A                                                                                  | 9704 A /AG B | 04.841.2250.0 | 25        |
| B                                                                                  | 9704 A /BG B | 04.841.2350.0 | 25        |
| C                                                                                  | 9704 A /CG B | 04.841.2450.0 | 25        |
| D                                                                                  | 9704 A /DG B | 04.841.2550.0 | 25        |
| E                                                                                  | 9704 A /EG B | 04.841.2650.0 | 25        |
| F                                                                                  | 9704 A /FG B | 04.841.2750.0 | 25        |
| G                                                                                  | 9704 A /GG B | 04.841.2850.0 | 25        |
| H                                                                                  | 9704 A /HG B | 04.841.2950.0 | 25        |
| I                                                                                  | 9704 A /IG B | 04.841.3050.0 | 25        |
| J                                                                                  | 9704 A /JG B | 04.841.3150.0 | 25        |
| K                                                                                  | 9704 A /KG B | 04.841.3250.0 | 25        |
| L                                                                                  | 9704 A /LG B | 04.841.3350.0 | 25        |
| M                                                                                  | 9704 A /MG B | 04.841.3450.0 | 25        |
| N                                                                                  | 9704 A /NG B | 04.841.3550.0 | 25        |
| O                                                                                  | 9704 A /OG B | 04.841.3650.0 | 25        |
| P                                                                                  | 9704 A /PG B | 04.841.3750.0 | 25        |
| Q                                                                                  | 9704 A /QG B | 04.841.3850.0 | 25        |
| R                                                                                  | 9704 A /RG B | 04.841.3950.0 | 25        |
| S                                                                                  | 9704 A /SG B | 04.841.4050.0 | 25        |
| T                                                                                  | 9704 A /TG B | 04.841.4150.0 | 25        |
| U                                                                                  | 9704 A /UG B | 04.841.4250.0 | 25        |
| V                                                                                  | 9704 A /VG B | 04.841.4350.0 | 25        |
| W                                                                                  | 9704 A /WG B | 04.841.4450.0 | 25        |
| X                                                                                  | 9704 A /XG B | 04.841.4550.0 | 25        |
| Y                                                                                  | 9704 A /YG B | 04.841.4650.0 | 25        |
| Z                                                                                  | 9704 A /ZG B | 04.841.4750.0 | 25        |
| <b>Set, marked with same upper case letters (= 26 x 25 strips = 6.500 numbers)</b> |              |               |           |
| A up to Z GB                                                                       |              | 04.841.9150.0 | 1         |

### Tear-off marking strips marked with lower case letters

- With 10 marking tags
- For single symbol marking



| Description                                                                            | Type         | Part No.      | Std. Pack |
|----------------------------------------------------------------------------------------|--------------|---------------|-----------|
| <b>Marked with the same lower case letters</b>                                         |              |               |           |
| a                                                                                      | 9704 A /AK B | 04.841.4850.0 | 25        |
| b                                                                                      | 9704 A /BK B | 04.841.4950.0 | 25        |
| c                                                                                      | 9704 A /CK B | 04.841.5050.0 | 25        |
| d                                                                                      | 9704 A /DK B | 04.841.5150.0 | 25        |
| e                                                                                      | 9704 A /EK B | 04.841.5250.0 | 25        |
| f                                                                                      | 9704 A /FK B | 04.841.5350.0 | 25        |
| g                                                                                      | 9704 A /GK B | 04.841.5450.0 | 25        |
| h                                                                                      | 9704 A /HK B | 04.841.5550.0 | 25        |
| i                                                                                      | 9704 A /IK B | 04.841.5650.0 | 25        |
| j                                                                                      | 9704 A /JK B | 04.841.5750.0 | 25        |
| k                                                                                      | 9704 A /KK B | 04.841.5850.0 | 25        |
| l                                                                                      | 9704 A /LK B | 04.841.5950.0 | 25        |
| m                                                                                      | 9704 A /MK B | 04.841.6050.0 | 25        |
| n                                                                                      | 9704 A /NK B | 04.841.6150.0 | 25        |
| o                                                                                      | 9704 A /OK B | 04.841.6250.0 | 25        |
| p                                                                                      | 9704 A /PK B | 04.841.6350.0 | 25        |
| q                                                                                      | 9704 A /QK B | 04.841.6450.0 | 25        |
| r                                                                                      | 9704 A /RK B | 04.841.6550.0 | 25        |
| s                                                                                      | 9704 A /SK B | 04.841.6650.0 | 25        |
| t                                                                                      | 9704 A /TK B | 04.841.6750.0 | 25        |
| u                                                                                      | 9704 A /UK B | 04.841.6850.0 | 25        |
| v                                                                                      | 9704 A /VK B | 04.841.6950.0 | 25        |
| w                                                                                      | 9704 A /WK B | 04.841.7050.0 | 25        |
| x                                                                                      | 9704 A /XK B | 04.841.7150.0 | 25        |
| y                                                                                      | 9704 A /YK B | 04.841.7250.0 | 25        |
| z                                                                                      | 9704 A /ZK B | 04.841.7350.0 | 25        |
| <b>Set, Marked with the same lower case letters (= 26 x 25 strips = 6.500 numbers)</b> |              |               |           |
| a up to z KB                                                                           |              | 04.841.9250.0 | 1         |

## Assortment box

- For marking material

| Description                                     | Type                  | Part No.      | Std. Pack |
|-------------------------------------------------|-----------------------|---------------|-----------|
| <b>Assortment box for 5 mm width</b>            | S0 1/5                | 04.900.2053.0 | 1         |
| Assortment for 5 mm width                       | 1-100 9705 A/5/10 B   | 04.855.1153.0 | 1         |
|                                                 | 101-200 9705 A/5/10 B | 04.855.1253.0 | 1         |
| <b>Assortment box for 6 mm width</b>            | S0 1/6                | 04.900.3053.0 | 1         |
| Assortment for 6 mm width                       | 1-100 9705 A/6/10 B   | 04.856.1153.0 | 1         |
|                                                 | 101-200 9705 A/6/10 B | 04. .1253.0   | 1         |
| <b>Assortment box for 8 mm width</b>            | S0 1/8                | 04.900.4053.0 | 1         |
| Assortment for 8 mm width                       | 1-100 9705 A/8/10 B   | 04.858.1153.0 | 1         |
|                                                 | 101-200 9705 A/8/10 B | 04.858.1253.0 | 1         |
| <b>Assortment box for tear-off marking tags</b> |                       |               |           |
| with 50 digits each                             | S0 1/0                | 04.900.1053.0 | 1         |
| <b>Assortment box, empty</b>                    | S0 1                  | 04.900.0000.0 | 1         |

## Marking tag carrier

- For all blocks



| Description                           | Type       | Part No.      | Std. Pack |
|---------------------------------------|------------|---------------|-----------|
| <b>Marking tag carrier, 4 digits</b>  | 9705 A/4   | 04.242.0950.0 | 200       |
| <b>Marking tag carrier, 6 digits</b>  | 9705 A/6   | 04.242.1250.0 | 200       |
| <b>Marking tag carrier, 45° angle</b> | 9705 A/4 W | 04.242.2853.0 | 200       |

## Partition

- With marking facilities



| Description                                     | Type            | Part No.      | Std. Pack |
|-------------------------------------------------|-----------------|---------------|-----------|
| <b>Partition with carrier for marking tags</b>  |                 |               |           |
| for TS32 and TS35                               |                 | Z7.311.1755.0 | 10        |
| for TS15                                        |                 | Z7.311.2755.0 | 10        |
| <b>Partition with carrier for marking cards</b> |                 |               |           |
| for TS32 and TS35                               |                 | Z7.311.7055.0 | 10        |
| <b>Accessories</b>                              |                 |               |           |
| Marking card in perforated sheets               | 100 tags/sheets | 04.019.0289.0 | 10        |

## Cross connectors and jumper bars

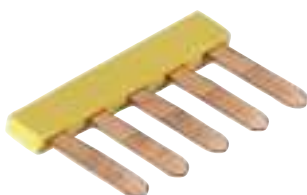
### Cross connectors

- Cross connector poles can be individually removed.
- When cross connectors with removed poles are used, the rated voltage is reduced to 400 V.
- You can cut a 10-wire connector plug in half to form two 5-wire connector plugs, but an end cover plate or isolating plate must then be inserted.



| Description                                                        | Type            | Part No.      | Std. Pack |
|--------------------------------------------------------------------|-----------------|---------------|-----------|
| <b>1.5 mm², 4 mm wide</b>                                          | IVB WKF 1,5-2   | Z7.260.0227.0 | 10        |
|                                                                    | IVB WKF 1,5-3   | Z7.268.0327.0 | 10        |
|                                                                    | IVB WKF 1,5-4   | Z7.268.0427.0 | 10        |
|                                                                    | IVB WKF 1,5-5   | Z7.268.0527.0 | 10        |
|                                                                    | IVB WKF 1,5-10  | Z7.268.1027.0 | 10        |
|                                                                    | IVB WKF 1,5-20  | Z7.268.2027.0 | 10        |
| <b>2.5 mm², 5 mm wide</b>                                          | IVB WKF 2,5-2   | Z7.280.6227.0 | 10        |
|                                                                    | IVB WKF 2,5-3   | Z7.280.6327.0 | 10        |
|                                                                    | IVB WKF 2,5-4   | Z7.280.6427.0 | 10        |
|                                                                    | IVB WKF 2,5-5   | Z7.280.6527.0 | 10        |
|                                                                    | IVB WKF 2,5-6   | Z7.280.6627.0 | 10        |
|                                                                    | IVB WKF 2,5-7   | Z7.280.6727.0 | 20        |
|                                                                    | IVB WKF 2,5-8   | Z7.280.6827.0 | 20        |
|                                                                    | IVB WKF 2,5-9   | Z7.280.6927.0 | 20        |
|                                                                    | IVB WKF 2,5-10  | Z7.280.7027.0 | 20        |
|                                                                    | IVB WKF 2,5-20  | Z7.280.8027.0 | 20        |
|                                                                    | IVB WKF-V       | Z7.261.1127.0 | 10        |
| <b>4 mm², 6 mm wide</b>                                            | IVB WKF 4-2     | Z7.261.1227.0 | 10        |
|                                                                    | IVB WKF 4-3     | Z7.261.1327.0 | 10        |
|                                                                    | IVB WKF 4-4     | Z7.261.1427.0 | 10        |
|                                                                    | IVB WKF 4-5     | Z7.261.1527.0 | 10        |
|                                                                    | IVB WKF 4-6     | Z7.261.1627.0 | 10        |
|                                                                    | IVB WKF 4-7     | Z7.261.1727.0 | 10        |
|                                                                    | IVB WKF 4-8     | Z7.261.1827.0 | 10        |
|                                                                    | IVB WKF 4-9     | Z7.261.1927.0 | 10        |
|                                                                    | IVB WKF 4-10    | Z7.261.2027.0 | 10        |
| <b>6 mm², 8 mm wide</b>                                            | IVB WKFN 6-2    | Z7.282.5227.0 | 10        |
|                                                                    | IVB WKFN 6-5    | Z7.282.5527.0 | 10        |
| <b>10 mm², 10 mm wide</b>                                          | IVB WKF 10-2    | Z7.283.8227.0 | 10        |
| <b>16 mm², 12 mm wide</b>                                          | IVB WKF 16-2    | Z7.284.4227.0 | 10        |
| <b>35 mm², 16 mm wide</b>                                          | IVB WKF 35-2    | Z7.285.6227.0 | 10        |
|                                                                    | IVB WKF 35R10-2 | Z7.285.6427.0 | 10        |
| <b>Jumping cross connectors for WT 2,5, WTP 2,5/4 and WKFN 2,5</b> |                 |               |           |
| 3 pole 1-3                                                         |                 | 99.013.9999.9 | 10        |
| 4 pole 1-4                                                         |                 | 99.014.9999.9 | 10        |
| 5 pole 1-5                                                         |                 | 99.015.9999.9 | 10        |
| 5 pole 1 to 3 to 5                                                 |                 | 99.031.9999.9 | 10        |
| 7 pole 1 to 3, 5 and 7                                             |                 | 99.032.9999.9 | 10        |
| 9 pole 1 to 3, 5, 7 and 9                                          |                 | 99.033.9999.9 | 10        |
| 11 pole 1 to 3, 5, 7, 9 and 11                                     |                 | 99.034.9999.9 | 10        |
| Additional combinations upon request                               |                 |               |           |

### Jumper bar, insulated Jumper comb, insulated



| Description                                      | Type            | Part No.      | Std. Pack |
|--------------------------------------------------|-----------------|---------------|-----------|
| <b>WK 4/U and WK 4 TK, 6mm wide, 0.5mm thick</b> |                 |               |           |
| Jumper comb, insulated                           | IVB 0,5 WK 4-2  | Z7.255.0227.0 | 10        |
|                                                  | IVB 0,5 WK 4-12 | Z7.255.0227.0 | 10        |
| <b>WK 4/U and WK 4 TK, 6mm wide, 1mm thick</b>   |                 |               |           |
| Jumper comb, insulated                           | IVB 1 WK 4-2    | Z7.255.4227.0 | 10        |
|                                                  | IVB 1 WK 4-12   | Z7.255.4227.0 | 10        |
| <b>WK 6, WKN 6 TK, WK 4 THSi 6,3x32</b>          |                 |               |           |
| Jumper comb, insulated                           | IVK WKN 6 TK-2  | Z7.255.8227.0 | 10        |
|                                                  | IVK WKN 6 TK-3  | Z7.255.8327.0 | 10        |
|                                                  | IVK WKN 6 TK-4  | Z7.256.8427.0 | 10        |
|                                                  | IVK WKN 6 TK-5  | Z7.256.8527.0 | 10        |
|                                                  | IVK WKN 6 TK-6  | Z7.256.8527.0 | 10        |

## Cover strips and test plugs

### Cover strip with warning symbol

- Over 4 blocks, tension spring connection



- Over 4 blocks, screw connection



| Description                          | Type            | Part No.      | Std. Pack |
|--------------------------------------|-----------------|---------------|-----------|
| <b>for tension spring connection</b> |                 |               |           |
| 1.5 mm <sup>2</sup> , 4 mm wide      | ADF 1,5/5 GELB  | 04.343.6953.8 | 10        |
| 2.5 mm <sup>2</sup> , 5 mm wide      | ADFN 2,5/4 GELB | 04.343.8353.8 | 10        |
| 4 mm <sup>2</sup> , 6 mm wide        | ADF 4/4 GELB    | 04.343.6153.8 | 10        |
| 6 mm <sup>2</sup> , 8 mm wide        | ADF 6/4 GELB    | 04.343.6253.8 | 10        |
| 10 mm <sup>2</sup> , 10 mm wide      | ADF 10/4 GELB   | 04.343.6453.8 | 10        |
| 16 mm <sup>2</sup> , 12 mm wide      | ADF 16/4 GELB   | 04.343.6653.8 | 10        |
| 35 mm <sup>2</sup> , 16 mm wide      | ADF 35/5 GELB   | 04.343.9253.8 | 10        |

|                                 |               |               |    |
|---------------------------------|---------------|---------------|----|
| <b>for screw connection</b>     |               |               |    |
| WKN 35/U, 16 mm wide, screw M5  | AD 16/4 GELB  | 04.343.5256.8 | 10 |
| WKN 70/U, 24 mm wide, screw M6  | AD 24/4 GELB  | 04.343.5356.8 | 10 |
| WKN 150/U, 28 mm wide, screw M8 | ADN 28/4 GELB | 04.343.5456.8 | 10 |

### Test plug with tension spring connection

- For WKF/WKC terminal blocks
- For 2.5 mm<sup>2</sup>, 5 mm wide and 4 mm<sup>2</sup>, 6 mm wide



| Description | Type     | Part No.      | Std. Pack |
|-------------|----------|---------------|-----------|
| Test plug   | PSWKC/F  | Z1.299.9753.0 | 10        |
| Blind piece |          | 01.299.9753.0 | 10        |
| Endplate    | ZP/AP PS | 07.312.6053.0 | 10        |

|                             |                                                                                   |           |            |
|-----------------------------|-----------------------------------------------------------------------------------|-----------|------------|
| <b>General data</b>         |                                                                                   |           |            |
| Width                       | 5 mm / 6 mm*                                                                      |           |            |
| Wire strip length           | 8 mm                                                                              |           |            |
| <b>Technical data</b>       | <b>IEC</b>                                                                        | <b>UL</b> | <b>CSA</b> |
| Cross section solid         | 0.13 – 1.5 mm <sup>2</sup>                                                        |           |            |
| Cross section fine-stranded | 0.13 – 1.5 mm <sup>2</sup>                                                        |           |            |
| Rated current               | 13.5 A                                                                            |           |            |
| Rated voltage               | 400 V                                                                             |           |            |
| <b>Note</b>                 | * For 6 mm spacing a ZP/AP PS is snapped on behind each test plug or blind piece. |           |            |

### Test plug

- 250 V / 2 A



| Description            | Type      | Part No.      | Std. Pack |
|------------------------|-----------|---------------|-----------|
| Test plug 2.3 mm red   | ST 2/2 RT | Z5.553.2921.0 | 10        |
| Test plug 2.3 mm black | ST 2/2 SW | Z5.553.2921.1 | 50        |
| Test plug 2.3 mm blue  | ST 2/2 BL | Z5.553.2921.6 | 100       |
| Test plug 4 mm black   | ST 2/4 SW | Z5.553.3121.0 | 10        |

## Tools

### Wire entry guides

- For conductors with cross sections smaller than 1 mm<sup>2</sup>



| Description                          | Type               | Part No.      | Std. Pack |
|--------------------------------------|--------------------|---------------|-----------|
| <b>1.5 mm<sup>2</sup>, 4 mm wide</b> |                    |               |           |
| for 0.13–0.2 mm <sup>2</sup> wires   | LEL 1,5/1 WEISS    | 05.564.4253.0 | 10        |
| for 0.25–0.5 mm <sup>2</sup> wires   | LEL 1,5/2 GRAU     | 05.564.4353.0 | 10        |
| <b>2.5 mm<sup>2</sup>, 5 mm wide</b> |                    |               |           |
| for 0.13–0.2 mm <sup>2</sup> wires   | LELN 2,5/1 WEISS   | 05.564.3755.0 | 100       |
| for 0.25–0.5 mm <sup>2</sup> wires   | LELN 2,5/1 GRAU    | 05.564.3855.0 | 100       |
| for 0.75–1.0 mm <sup>2</sup> wires   | LELN 2,5/1 SCHWARZ | 05.564.3955.0 | 100       |
| <b>4 mm<sup>2</sup>, 6 mm wide</b>   |                    |               |           |
| for 0.13–0.2 mm <sup>2</sup> wires   | LEL 4/1 WEISS      | 05.561.8553.0 | 100       |
| for 0.25–0.5 mm <sup>2</sup> wires   | LEL 4/2 GRAU       | 05.561.8653.0 | 100       |
| for 0.75–1.0 mm <sup>2</sup> wires   | LEL 4/3 SCHWARZ    | 05.561.8753.0 | 100       |

### Notching tool for cross connectors

- For 1.5 mm<sup>2</sup>, wide 4 mm wide
- For 2.5 mm<sup>2</sup>, 5 mm wide
- For 4 mm<sup>2</sup>, 6 mm wide



| Description   | Type   | Part No.      | Std. Pack |
|---------------|--------|---------------|-----------|
| Notching tool | AKW /A | 95.300.0500.0 | 1         |

### Screwdrivers



| Description                          | Type                  | Part No.      | Std. Pack |
|--------------------------------------|-----------------------|---------------|-----------|
| <b>1.5 mm<sup>2</sup>, 4 mm wide</b> |                       |               |           |
| Uninsulated, long and straight       | DIN 5264 A 0,4x2,5    | 06.502.4300.0 | 5         |
| <b>2.5 mm<sup>2</sup>, 5 mm wide</b> |                       |               |           |
| Uninsulated, long and straight       | DIN 5264 B 0,6x3,5    | 06.502.4000.0 | 10        |
| Uninsulated, short and straight      | DIN 5264 B 0,6x3,5 M  | 06.502.5000.0 | 10        |
| Uninsulated, long and angled         | DIN 5264 B 0,6x3,5 W  | 05.502.4100.0 | 10        |
| Uninsulated, short and angled        | DIN 5264 B 0,6x3,5 MW | 05.502.4000.0 | 10        |
| <b>4 mm<sup>2</sup>, 6 mm wide</b>   |                       |               |           |
| Uninsulated, long and straight       | DIN 5264 B 0,6x3,5    | 06.502.4000.0 | 10        |
| Uninsulated, short and straight      | DIN 5264 B 0,6x3,5 M  | 06.502.5000.0 | 10        |
| Uninsulated, long and angled         | DIN 5264 B 0,6x3,5 W  | 05.502.4100.0 | 10        |
| Uninsulated, short and angled        | DIN 5264 B 0,6x3,5 MW | 05.502.4000.0 | 10        |
| <b>6 mm<sup>2</sup>, 8 mm wide</b>   | DIN 5264 B 0,6x4      | 06.502.4100.0 | 5         |
| <b>10 mm<sup>2</sup>, 10 mm wide</b> | DIN 5264 B 0,6x4      | 06.502.4100.0 | 5         |
| <b>16 mm<sup>2</sup>, 12 mm wide</b> | DIN 5264 B 1x5,5      | 06.502.4200.0 | 5         |
| <b>35 mm<sup>2</sup>, 16 mm wide</b> | DIN 5264 B 1x5,5      | 06.502.4200.0 | 5         |

## Ferrules and tools

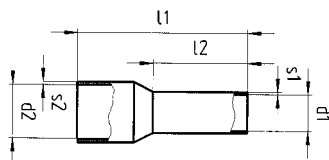
### Ferrules

#### with insulating material sleeve

• **Materials:**

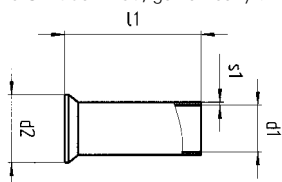
Sleeve: Polypropylene, temperature resistance 105°C, creepage resistant

Tube: E-Cu, galvanically tin-plated



#### without insulating material sleeve

• **Materials:** Tube: E-Cu, galvanically tin-plated



| Cross section mm <sup>2</sup>                                               | Color      | Type   | Part No.      | Std. Pack |
|-----------------------------------------------------------------------------|------------|--------|---------------|-----------|
| <b>Ferrules with insulating material sleeve according to DIN 46228T4</b>    |            |        |               |           |
| 0.50                                                                        | norm.      | white  | 06.600.2027.0 | 100       |
| 0.75                                                                        | norm.      | gray   | 06.600.2127.0 | 100       |
| 1.00                                                                        | norm.      | res    | 06.600.2227.0 | 100       |
| 1.50                                                                        | norm.      | black  | 06.600.2327.0 | 100       |
| 1.50                                                                        | long       | black  | 06.600.2427.0 | 100       |
| 2.50                                                                        | norm.      | blue   | 06.600.2527.0 | 100       |
| 2.50                                                                        | long       | blue   | 06.600.2627.0 | 100       |
| 4.00                                                                        | norm.      | gray   | 06.600.2727.0 | 100       |
| 4.00                                                                        | long       | gray   | 06.600.2827.0 | 100       |
| 6.00                                                                        | norm.      | yellow | 06.600.2927.0 | 100       |
| 6.00                                                                        | long       | yellow | 06.600.3027.0 | 100       |
| 10.00                                                                       | norm.      | red    | 06.600.3127.0 | 100       |
| 10.00                                                                       | long       | red    | 06.600.3227.0 | 100       |
| 16.00                                                                       | norm.      | blue   | 06.600.3327.0 | 100       |
| 16.00                                                                       | long       | blue   | 06.600.3427.0 | 100       |
| 25.00                                                                       | mid-length | yellow | 06.600.3527.0 | 50        |
| <b>Ferrules without insulating material sleeve according to DIN 46228T1</b> |            |        |               |           |
| 0.50                                                                        | norm.      |        | 06.600.4027.0 | 1000      |
| 0.75                                                                        | norm.      |        | 06.600.4127.0 | 1000      |
| 1.00                                                                        | norm.      |        | 06.600.4227.0 | 1000      |
| 1.50                                                                        | norm.      |        | 06.600.4327.0 | 1000      |
| 2.50                                                                        | norm.      |        | 06.600.4427.0 | 1000      |
| 4.00                                                                        | norm.      |        | 06.600.4527.0 | 1000      |
| 6.00                                                                        | norm.      |        | 06.600.4627.0 | 500       |
| 10.00                                                                       | norm.      |        | 06.600.4727.0 | 500       |
| 16.00                                                                       | norm.      |        | 06.600.4827.0 | 100       |
| 25.00                                                                       | norm.      |        | 06.600.4927.0 | 100       |
| 35.00                                                                       | norm.      |        | 06.600.5027.0 | 100       |

### Wire strippers



| Description         | Type                      | Part No.      | Std. Pack |
|---------------------|---------------------------|---------------|-----------|
| Wire strippers      | AIW/A                     | 95.350.0100.0 | 1         |
| <b>General data</b> |                           |               |           |
| Wire strip length   | 0.08 - 10 mm <sup>2</sup> |               |           |
| Cross section, AWG  | 28 - 7                    |               |           |

### Crimping tool

• for ferrules



| Description           | Type                      | Part No.      | Std. Pack |
|-----------------------|---------------------------|---------------|-----------|
| Pressing tool A       | Length: 180 mm PW/A       | 95.101.1300.0 | 1         |
| Pressing tool B       | Length: 203 mm PW/B       | 95.101.1100.0 | 1         |
| Pressing tool C       | Length: 203 mm PW/C       | 95.101.1200.0 | 1         |
| <b>General data</b>   |                           |               |           |
| A: Wire strip length  | 0.08 - 10 mm <sup>2</sup> |               |           |
| A: Cross section, AWG | 28 - 7                    |               |           |
| B: Wire strip length  | 10 - 25 mm <sup>2</sup>   |               |           |
| B: Cross section, AWG | 7 - 4                     |               |           |
| C: Wire strip length  | 35 - 50 mm <sup>2</sup>   |               |           |
| C: Cross section, AWG | 2 - 1/0                   |               |           |

## wieplan – configuration software



**wieplan** was developed to provide you with a powerful software tool for the configuration of terminal block assemblies using Wieland DIN rail terminal blocks.

**wieplan** is available in 4 languages. It is user-friendly and its intuitive user interface guides you step by step through the entire configuration process. After you have completed your design, you have the option of ordering the fully-built assembly from Wieland.

Thus **wieplan** helps you to save time and money.



### Managing projects

#### Benefits:

- To begin each configuration you automatically start from the basic project management menu.
- You create new projects and are reliably guided through the easy and practice-oriented program steps.
- You always have the choice of either opening an already existing project or of creating a new one.



### Configuring terminal block assemblies without errors

#### Benefits:

- You work with high-quality graphics viewing the terminal blocks from the top; the accessories added are visible at all time.
- You continually use the plausibility check that reminds you of the accessories required such as end plates.
- You are provided with a product catalog with search function; you can add your own order numbers, if required; and you can create libraries to add in your own products.



### Entering order data

#### Benefits:

- You enter your data such as invoice and delivery address in the order data screen only once and can use them for any follow-up orders.
- You may order by e-mail; in this case the terminal block assembly data are zipped automatically.



### Terminal block assembly output

#### Benefits:

- You print out the order, the parts list and the drawing data, and, if required, your own order numbers.
- You create a DXF file and export the current terminal block assembly to a CAD program.
- You export the marking in CSV format including all marking data for further processing in **wiemarc**, for example.
- You can use a bidirectional interface available for your CAE system EPLAN.

## Solution specific, value added assembly

### Terminal block assemblies

For those who want to make their control cabinet work easier Wieland Electric pre-assembles completely equipped DIN rail terminal block assemblies, even with the cables connected, if required.



### Cable assemblies

Individual cables tailored to your needs and combined with various components can be delivered for your project in all lengths.



### Control and distribution panels

Our value-add departments will gladly assist you in selecting individual Wieland components, or in laying out complete panels, which we can also build for you.

### Interface modules – solution specific connectivity

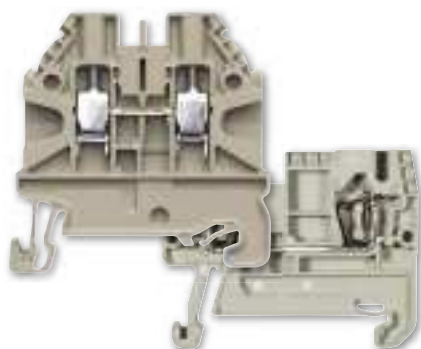
Each control cabinet requires distribution functionality. In most cases this is accomplished with standard control panel wiring (0.5mm or 1.5mm fine stranded with ferrule) to standardized interfaces (d-sub or ribbon cables). Upon the customer's request Wieland Electric can design individual and customized solutions for all applications, too.



# Tables, technical data

## DIN rail terminal blocks

### Material selection *selos* and *fasis*



### Metal parts

- Special alloys enable low feed-through resistance and provide a gas-tight contact area:
  - Current carrying bar: Copper, or brass
  - Clamping body and clamping screws: Galvanized and chromated steel
  - Clamping spring: CrNi stainless steel
  - Current carrying bar: Copper, tinned

### Plastic materials

- Polyamide has excellent electrical, chemical and mechanical characteristics:
  - Temperature resistance: Up to 120°C
  - Creepage resistance: CTI 600
  - Flammability class: Self-extinguishing, UL94-V0

### Electrical and thermal characteristics of plastic materials

|                                                            |               |           |                               |         | Thermoplast<br>Polyamide<br>PA 666 |
|------------------------------------------------------------|---------------|-----------|-------------------------------|---------|------------------------------------|
| Key figures / characteristics                              | Standard      |           | Unit                          |         |                                    |
| Dielectric strength                                        | VDE 0303-T21  | IEC 243/1 | kV / mm                       | tr./lf. | 55 / 45                            |
| Dielectric loss<br>tan $\delta$ at 1 MHz                   | VDE 0303-T4   | IEC 250   |                               | tr./lf. | 0.02 / 0.3                         |
| Specific feed through resistance                           | VDE 0303-T30  | IEC 93    | $\Omega \times \text{cm}$     | lf.     | $10^{12}$                          |
| Surface resistance                                         | VDE 0303-T30  | IEC 93    | $\Omega$                      | lf.     | $10^{10}$                          |
| Creepage                                                   | VDE 0303-T1   | IEC 112   | CTI                           |         | 600                                |
| Operating temperature RTI *                                | UL 746 B      |           | °C at 1.5 mm                  |         | 120                                |
| Temperature index TI **                                    | VDE 0304 T.21 | IEC 216-1 | °C                            |         | 123 / 107                          |
| Minimum operating temperature without<br>mechanical stress |               |           | °C                            |         | -40                                |
| Flammability                                               | UL 94         |           | Class / material<br>thickness |         | V0 / 0.4                           |
| Suitability for tropical areas                             |               |           |                               |         | good                               |

\* electrical value

\*\* related to 50% strain resistance drop after 5,000/20,000 hours

### Standard cross sections of round copper conductors AWG/metric

| Metric size<br>ISO<br>mm <sup>2</sup> | Comparison between AWG/kcmil<br>and metric sizes |       |                 | Metric size<br>ISO<br>mm <sup>2</sup> | Comparison between AWG/kcmil<br>and metric sizes |       |                 |
|---------------------------------------|--------------------------------------------------|-------|-----------------|---------------------------------------|--------------------------------------------------|-------|-----------------|
|                                       | AWG                                              | kcmil | mm <sup>2</sup> |                                       | AWG                                              | kcmil | mm <sup>2</sup> |
| 0.1*                                  | 28                                               |       | 0.081           | 16                                    | 6                                                |       | 13.3            |
| 0.14*                                 | 26                                               |       | 0.128           | 25                                    | 4                                                |       | 21.2            |
| 0.2                                   | 24                                               |       | 0.205           | 35                                    | 2                                                |       | 33.6            |
| –                                     | 22                                               |       | 0.324           | 50                                    | (1/0) 0                                          |       | 53.5            |
| 0.5                                   | 20                                               |       | 0.519           | 70                                    | (2/0) 00                                         |       | 67.4            |
| 0.75                                  | 18                                               |       | 0.82            | 95                                    | (3/0) 000                                        |       | 85              |
| 1                                     | –                                                |       | –               | –                                     | (4/0) 0000                                       |       | 107.2           |
| 1.5                                   | 16                                               |       | 1,3             | 120                                   |                                                  | 250   | 127             |
| 2.5                                   | 14                                               |       | 2,1             | 150                                   |                                                  | 300   | 152             |
| 4                                     | 12                                               |       | 3,3             | 185                                   |                                                  | 350   | 177             |
| 6                                     | 10                                               |       | 5,3             | 240                                   |                                                  | 500   | 253             |
| 10                                    | 8                                                |       | 8,4             | 300                                   |                                                  | 600   | 304             |

\* not standardized

## Mounting rails

### Maximum short-time current capability assigned to mounting rails

DIN EN 60 947-7-2

| Rail profile                                                                             | Material                | Equivalent<br>E-Cu cross section<br><br>mm <sup>2</sup> | Short-time-<br>current capability | Rated thermal<br>current<br>of a PEN<br>busbar<br>A |
|------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------|-----------------------------------|-----------------------------------------------------|
|                                                                                          |                         |                                                         | 1 s<br>kA                         |                                                     |
| DIN rail TH 15 x 5,5<br>according to IEC 60 715                                          | Steel                   | 10                                                      | 1.2                               | –                                                   |
| G rail TS 32<br>according to IEC 60 715                                                  | Steel                   | 35                                                      | 4.2                               | –                                                   |
|                                                                                          | Copper <sup>1)</sup>    | 120                                                     | 14.4                              | 269                                                 |
|                                                                                          | Aluminium <sup>1)</sup> | 70                                                      | 8.4                               | 192                                                 |
| DIN rail TS 35 x 27 x 7,5<br>according to IEC 60 715                                     | Steel                   | 16                                                      | 1.92                              | –                                                   |
| DIN rail TS 35 x 27 x 15<br>according to IEC 60 715                                      | Steel                   | 25                                                      | 3                                 | –                                                   |
| DIN rail TS 35 x 24 x 15<br>according to IEC 60 715<br>(made from 2.3 mm thick material) | Steel                   | 50                                                      | 6                                 | –                                                   |
|                                                                                          | Copper <sup>1)</sup>    | 150                                                     | 18                                | 309                                                 |

<sup>1)</sup> Selected copper or aluminum alloys from the manufacturer of the terminal block layout were used to achieve the values in the table.

## Torques

| Torque according to EN 60947-1<br>for <b>selos</b> DIN rail terminal blocks                                                                               |                                       |                                | II |     | III  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------|----|-----|------|
|                                                                                                                                                           |                                       |                                |    |     |      |
| II applies for screws that are tightened<br>with a screwdriver<br><br>III applies for screws that can be tightened<br>with tools other than a screwdriver | <b>WT 2,5, width 5 mm</b>             | M2.5 clamping body screw       | Nm | 0.4 |      |
|                                                                                                                                                           | <b>WT 4 ... , width 6 mm</b>          | M3 clamping body screw         | Nm | 0.5 |      |
|                                                                                                                                                           | <b>WT 6 and WKN 6,<br/>width 8 mm</b> | M4 clamping body screw         | Nm | 1.2 |      |
|                                                                                                                                                           |                                       | M3.5 screw for cross connector | Nm | 0.8 |      |
|                                                                                                                                                           | <b>WT 10, width 10 mm</b>             | M4 clamping body screw         | Nm | 1.2 |      |
|                                                                                                                                                           | <b>WT 16, width 12 mm</b>             | M6 clamping body screw         | Nm | 2.0 |      |
|                                                                                                                                                           | <b>WKN 35, width 16 mm</b>            | M6 clamping body screw         | Nm | 2.5 | 3.0  |
|                                                                                                                                                           |                                       | M5 screw for cross connector   | Nm | 2.0 | 2.0  |
|                                                                                                                                                           | <b>WKN 70, width 24 mm</b>            | M8 clamping body screw         | Nm | 3.5 | 6.0  |
|                                                                                                                                                           |                                       | M6 screw for cross connector   | Nm | 2.5 | 3.0  |
|                                                                                                                                                           | <b>WKN 150, width 28 mm</b>           | M10 clamping body screw        | Nm | 4.0 | 10.0 |
|                                                                                                                                                           |                                       | M8 screw for cross connector   | Nm | 3.5 | 6.0  |

## SCCR Values for DIN rail terminal blocks

As a result of changes to the 2005 NEC, both the operator and manufacturer of electrical equipment must comply with increased requirements related to resistance to short-circuiting of equipment. In accordance with both the NEC 2005 Article 409.110 and UL 508A, the short circuit resistance of the complete installation must now be considered. The installation's Short Circuit Current Rating must be indicated on the equipment or control panel's legend plate.

Wieland has tested and determined individual SCCR values for their terminal blocks in connection with the widest variety of fuses. These ratings are far greater than the default values contained in UL 508A. As a result, when qualifying your installation, you have increased flexibility and accuracy when using Wieland terminal blocks.



### What does SCCR marking mean?

The Short Circuit Current Rating (SCCR) of a component represents the maximum short circuit current level a device can safely withstand without compromising safety for installations and personnel. Article 409 on industrial control panels was added to the NEC in the 2005 edition. This article calls for all industrial control panels to be marked with a Short Circuit Current Rating. The Short Circuit Current Rating (SCCR) requirements for UL 508A came into force in April 2006.



### How is the SCCR marking determined?

The NEC Article 409 refers to the UL 508A Supplement SB as an approved method for determining the SCCR of an industrial control panel. This specific method is outlined in Section SB4.

1. Determination of the SCCR values of individual components, for example DIN rail terminal blocks
2. Modification of the SCCR values through the use of current limiting devices per UL 508 SB 4.3
3. Selection of the lowest SCCR value from all the components



### SCCR for DIN rail terminal blocks in general

The SCCR of a terminal block can be determined according to UL 508A using one of the following methods:

1. Use the tested SCCR value
2. Use the default SCCR value as specified in table 4.1 of UL 508

If the DIN rail terminal blocks do not have a tested SCCR, then the UL default value of 10kA must be used. This relatively low value would limit the SCCR of the entire system to max. 10kA.



### SCCR for Wieland DIN rail terminal blocks

Wieland determined SCCR values for its DIN rail terminal blocks used in conjunction with fuses and circuit breakers. The resulting SCCR values are much higher than the values specified for DIN rail terminal blocks in table SB 4.1 of UL 508A.

You will find the tested SCCR values for our **selos** and **fasis** product series in our customer information 0019.3, available on [www.wieland-electric.com](http://www.wieland-electric.com).

The SCCR values are also published on the UL website (<http://www.ul.com>) under file number E60678.

## Information about EX e

### Technical information

- The information regarding cross sectional area and connection types pertains to unprepared wires without ferrules! Ferrules are not necessary for secure connection. Whenever ferrules are used, make sure that the tools specified by the manufacturer are used exclusively.
- The voltage ratings apply to the terminals in their intended application. When different products are mounted adjacent to each other, the proper isolation distances must be adhered to.
- If the ground blocks are not used in block assemblies, but are mounted to the rail as single terminal blocks, end clamps have to be used.
- A detailed description of technical data, the standards requirements, and the application conditions are available in the flyer **facts & DATA**.

### ATEX regulation

- For the use of DIN rail terminal blocks in Ex areas, the regulations of EN 60079-0 apply; whereas for increased safety Ex e the regulations of EN 60079-7 must be followed. For an approximation of the laws of the EU member states, directive 94/9/EG was created, which is generally known as ATEX 100a and which is the basis for harmonization in this field. ATEX stands for "atmosphere explosive" while 100a refers to the corresponding article of the EC contract.
- Directive ATEX 100a applies for protection against dust and gas explosions in all industrial Ex areas and in mining. The testing and certifying institutes named in directive ATEX 100a must follow accreditation procedures which are the same throughout Europe.
- In accordance with EN 60070-0/60079-7 and ATEX 100a, these certifying institutes write out EC certificates for prototype tests. These prototype test certificates for components together with the corresponding quality system certification of the supplier are required to obtain the so-called ATEX approval.
- In combination with the  mark, the markings of the Wieland terminal blocks have the following meaning:
 

|                                                                                     |                                      |
|-------------------------------------------------------------------------------------|--------------------------------------|
|  | Identification                       |
| II                                                                                  | Device group                         |
| 2                                                                                   | Category                             |
| G D                                                                                 | Areas                                |
| KEMA                                                                                | Name of testing institute            |
| ATEX...                                                                             | Certificate, year of testing, number |

### Mounting instructions for Ex e applications

- If feed-through blocks are mounted directly adjacent to other feed-through blocks of a different size, or directly adjacent to ground blocks, the open side of the block group of the same type must be covered by an end plate or partition.
- If adjacent DIN rail terminal blocks are jumpered or if jumpered DIN rail terminal blocks are positioned next to unjumpered DIN rail terminal blocks, a partition plate must be inserted between the individual terminal block groups or at the beginning and end of a laterally or longitudinally connected terminal block (group) in order to meet the specified isolation distances. Notched out and jumpering cross connectors can not be used in Ex areas.
- If the terminal blocks are combined with other certified series and sizes and when their accessories are used, the required creepage distances and clearances must be adhered to.
- The feed through terminal blocks and protective conductor terminal blocks are suitable for enclosures for use in explosive gas atmospheres or for use in the presence of combustible dust. For explosive gas atmospheres these enclosures must satisfy the requirements of EN 60079-0 and EN 60079-7. For combustible dust these enclosures must satisfy the requirements of EN 61241-0 and EN 61241-1 rather EN 50281-1-1.
- The indicated values for the current carrying capability refer to a maximum ambient temperature of 40 °C. When the terminal blocks are loaded with the maximum rated current the temperature rise will be max. 45 K.
- Operating temperature range: **selos** WK...: -40°C ... +80°C  
**selos** WKFN: -20°C ... +80°C

### DQS certification for all company sectors

- Quality standard as per DIN ISO 9001 in Development, Production and Assembly
- Continued control of the quality standard by means of regular internal and external quality audits
- Compatible with certificates of other countries:
  - BSI Certificate, Great Britain
  - SQS Certificate, Switzerland
  - Aib-Vincotte Certificate, Belgium
  - ÖQS Certificate, Austria

## Spanning various industries and products.



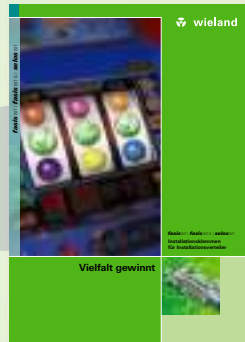
0601.1 "gesis<sup>TOP</sup> Luminaires connector concepts"



0602.1 "gesis<sup>LINECT</sup> Universal Connector System for Recessed Luminaires"



0640.1 "gesis<sup>MINI</sup> the pluggable electrical installation with a compact design"



0117.0 "fasis<sup>BIT</sup> / fasis<sup>BIT-S</sup> / selos<sup>BIT</sup> DIN rail terminal blocks for junction boxes"



0800.1 "interface Solutions for the Control Cabinet"



0860.1 "safety System Solutions for Automation Technology"



0401.1 "Electro-technical solutions for the control cabinet"



0402.1 "Components for heating, ventilation, and air conditioning"



0408.1 "smart Installation Pluggable, decentralized electrical installation for sustainable building"



0910.1 "Corporate Sustainability Environmental Statement Bamberg and Gerach locations"



0009.0 "Wieland apprenticeship Auf der Erfolgsstraße."



0902.1 "The system partner in automation technology and in building automation technology"



0600.1 "gesis CON GST 18  
Electrical installation of  
buildings via plug & play



0700.1 "gesis ELECTRONIC  
Decentralized building  
automation with plug & play"

## Building and installation techn.

## Automation technology

Further documents and  
brochures can be downloaded  
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our homepage.



0409.1 "gesis RAN  
Decentralized installable  
electronic distributor for  
building automation"



0710.1 "gesis SOLAR  
Electrical Installation Technology  
for Photovoltaics"

## Industries

## Wieland connects.



### Wieland 100 years in Bamberg.

Wieland is one of the most important employers in Bamberg and the surrounding area. The book portrays the life of the company's founder Friedrich H. ("Fritz") Wieland and the following generations, closely intertwined with the company's history. Available in bookshops.



## Hotline – one call is all it takes

Our DIN rail terminal blocks hotline **+49 951 9324-991** our e-mail-service **AT.TS@wieland-electric.com** is available to answer all your questions on the subject of DIN rail terminal blocks.



## Wieland e-Catalog

For further technical information and the latest news on DIN rail terminal blocks, go to:

**<https://eshop.wieland-electric.com>**

## Our subsidiaries

... and the addresses of our representations worldwide are available at:

[www.wieland-electric.com](http://www.wieland-electric.com)



**USA**  
**Wieland Electric Inc.**  
**North American Headquarters**  
 2889 Brighton Road  
 Oakville, Ontario L6H 6C9  
 Phone +1 905 8298414  
 Fax +1 905 8298413  
[www.wielandinc.com](http://www.wielandinc.com)



**CANADA**  
**Wieland Electric Inc.**  
**North American Headquarters**  
 2889 Brighton Road  
 Oakville, Ontario L6H 6C9  
 Phone +1 905 8298414  
 Fax +1 905 8298413  
[www.wieland-electric.ca](http://www.wieland-electric.ca)



**GREAT BRITAIN**  
**Wieland Electric Ltd.**  
 Riverside Business Centre,  
 Walnut Tree Close  
 GB-Guildford /Surrey GU1 4UG  
 Phone +44 1483 531213  
 Fax +44 1483 505029  
[sales@wieland.co.uk](mailto:sales@wieland.co.uk)



**FRANCE**  
**Wieland Electric SARL.**  
 Le Céramê Hall 6  
 47, avenue des Genottes  
 CS 48313  
 95803 Cergy-Pontoise Cedex  
 Phone +33 1 30320707  
 Fax +33 1 30320714  
[infos@wieland-electric.fr](mailto:infos@wieland-electric.fr)



**SPAIN**  
**Wieland Electric S.L.**  
 C/ Maria Auxiliadora 2 bajos  
 E-08017 Barcelona  
 Phone +34 93 2523820  
 Fax +34 93 2523825  
[ventas@wieland-electric.com](mailto:ventas@wieland-electric.com)



**ITALY**  
**Wieland Electric S.r.l.**  
 Via Edison, 209  
 I-20019 Settimo Milanese  
 Phone +39 02 48916357  
 Fax +39 02 48 920685  
[info@wieland-electric.it](mailto:info@wieland-electric.it)



**POLAND**  
**Wieland Electric Sp. Zo.o.**  
 Św. Antoniego 8  
 62-080 Swadzim  
 Phone +48 61 2225400  
 Fax +48 61 8407166  
[office@wieland-electric.pl](mailto:office@wieland-electric.pl)



**CHINA**  
**Wieland Electric Trading**  
 Unit 2703  
 International Soho City  
 889 Renmin Rd.,  
 Huang Pu District  
 PRC- Shanghai 200010  
 Phone +86 21 63555833  
 Fax +86 21 63550090  
[info-shanghai@wieland-electric.cn](mailto:info-shanghai@wieland-electric.cn)



**DENMARK**  
**Wieland Electric A/S**  
 Vallørækken 26  
 DK-4600 Køge  
 Phone +45 70 266635  
 Fax +45 70 266637  
[sales@wieland-electric.dk](mailto:sales@wieland-electric.dk)



**BELGIUM**  
**ATEM – Wieland Electric NV**  
 Bedrijvenpark De Veert 4  
 B-2830 Willebroek  
 Phone +32 3 8661800  
 Fax +32 3 8661828  
[info.belgium@wieland-electric.com](mailto:info.belgium@wieland-electric.com)



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# wieland

#### Headquarters:

Wieland Electric GmbH  
Brennerstraße 10 – 14  
96052 Bamberg, Germany

#### Sales and Marketing Center:

Wieland Electric GmbH  
Benzstraße 9  
96052 Bamberg, Germany

Phone +49 951 9324-0

Fax +49 951 9324-198

[www.wieland-electric.com](http://www.wieland-electric.com)

[www.gesis.com](http://www.gesis.com)

[info@wieland-electric.com](mailto:info@wieland-electric.com)

## Industrial technology

### Solutions for the control cabinet

- DIN rail terminal blocks
  - Screw, tension spring or push-in connection technology
  - Wire cross sections up to 240 mm<sup>2</sup>
  - Numerous special functions
  - Software solutions interfacing to CAE systems
- Safety
  - Safe signal acquisition
  - Safety switching devices
  - Modular safety modules
  - Compact safety controllers
  - Application consulting and training
- Network engineering and fieldbus systems
  - Remote maintenance via VPN industrial router and VPN service portal
  - Industrial Ethernet switches
  - PLC and I/O systems, standard and increased environmental conditions
- Interface
  - Power supply units
  - Overvoltage protection
  - Coupling relays, semiconductor switches
  - Timer relays, measuring and monitoring relays
  - Analog coupling and converter modules
  - Passive interfaces

### Solutions for field applications

- Decentralized installation and automation technology
  - Electrical installation for wind tower
  - Fieldbus interfaces and motor starters
- Connectors for industrial applications
  - Rectangular and round connectors
  - Aluminum or plastic housings
  - Degree of protection up to IP68
  - Current-carrying capacity up to 100 A
  - Connectors for hazardous areas
  - Modular, application-specific technology

### PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5 mm to 10.16 mm
- Reflow or wave soldering process

## Building and installation technology

- Building installation systems
  - Main power supply connectors IP20/IP65...IP68
  - Bus connectors
  - Low-voltage connectors
  - Power distribution system with flat cables
  - Distribution systems
  - Bus systems in KNX, LON and wireless technology
  - DIN rail terminal blocks for electrical installations
  - Overvoltage protection

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