

# SAK-Series combination foot TS 35 + TS 32

|                                              |                                            |     |
|----------------------------------------------|--------------------------------------------|-----|
| SAK-Series combination foot<br>TS 35 + TS 32 | <b>Feed-through modular terminals</b>      |     |
|                                              | TS 35 + TS 32 / PA                         | C.2 |
|                                              | <b>Stud terminals</b>                      | C.6 |
|                                              | <b>Fuse terminals</b>                      |     |
|                                              | TS 35 + TS 32 / PA                         | C.7 |
|                                              | <b>Earth conductor isolating terminals</b> | C.8 |

## Feed-through modular terminals

## TS 35 + TS 32 / PA

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

|                                         |                   |
|-----------------------------------------|-------------------|
| Width/Length/height with TS35x7.5       | mm                |
| max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                       |                 |
|--------------------------------------------------|-----------------|
| Rated voltage                                    | V               |
| Rated current                                    | A               |
| Rated cross-section                              | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity       | kV/-            |
| Gauge to IEC 60947-1 / UL94 Flammability class   | Approvals       |
| Clamped conductors (H05V/H07V)                   |                 |
| solid / stranded                                 | mm <sup>2</sup> |
| flexible / Stranded wire with end ferrules       | mm <sup>2</sup> |
| Tightening torque range (clamping screw)         |                 |
| Stripping length / Blade size                    | mm/-            |
| 2 conductors with same cross-section (H05V/H07V) |                 |
| solid / stranded                                 | mm <sup>2</sup> |
| flexible / Stranded wire with end ferrules       | mm <sup>2</sup> |
| Note                                             |                 |

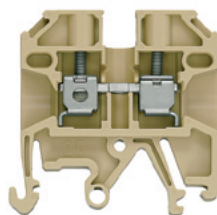
## Ordering data

| Version |       |
|---------|-------|
|         | beige |
|         | Blue  |
| Note    |       |

## Accessories

| Screwable cross-connection                                                                         |                                 |
|----------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                    | 2-pole                          |
|                                                                                                    | 3-pole                          |
|                                                                                                    | 4-pole                          |
|                                                                                                    | 10-pole                         |
|                                                                                                    | Connecting sleeve               |
|                                                                                                    | Mounting screw                  |
|                                                                                                    | Lock washer                     |
| Switchable link                                                                                    |                                 |
|                                                                                                    | Switchable link                 |
|                                                                                                    | Connecting sleeve               |
|                                                                                                    | Mounting screw                  |
| Testing / Checking                                                                                 |                                 |
|                                                                                                    | Test plug                       |
|                                                                                                    | Socket                          |
| End plate / Partition plate                                                                        |                                 |
|                                                                                                    | beige                           |
|                                                                                                    | Blue                            |
|                                                                                                    | beige                           |
|                                                                                                    | Blue                            |
| Small partition                                                                                    |                                 |
|                                                                                                    | Small partition                 |
| Cover / warning label                                                                              |                                 |
|                                                                                                    | Cover / warning label           |
|                                                                                                    | Mounting screw (plastic)        |
| Marking systems                                                                                    |                                 |
|                                                                                                    | (see assortment in catalogue 7) |
|                                                                                                    | Marking tags                    |
| For detailed information on other accessories and applications, refer to the „Accessories“ section |                                 |

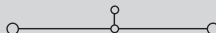
## SAK 2.5/EN

2.5 mm<sup>2</sup>

6.1 x 44.5 x 42.5

41 / 6

0.13...6

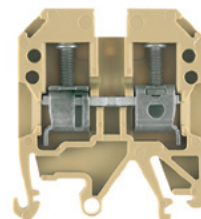


| IEC 60947-7-1                                                | Ex e II     | Ex          | II 2 G D   |
|--------------------------------------------------------------|-------------|-------------|------------|
| IEC                                                          | UL          | CSA         | EN 60079-7 |
| 800                                                          | 600         | 600         | 550        |
| 24                                                           | 25          | 25          | 21         |
| 2.5                                                          | AWG 22...12 | AWG 26...10 | 2.5        |
| 8 / 3                                                        |             |             |            |
| A3 / V2                                                      |             |             |            |
| KEMA 97ATEX1798 U                                            |             |             |            |
| Rated connection                                             |             |             |            |
| 0.5...6 / 0.5...4                                            |             |             |            |
| 0.5...4 / 0.5...4                                            |             |             |            |
| 0.4...0.6 Nm (M 2.5)                                         |             |             |            |
| 10 / 0.6 x 3.5 mm                                            |             |             |            |
| ...1.5                                                       |             |             |            |
| With twin ferrules ZH 0.5 to ZH 1.5, rated voltage is 690 V. |             |             |            |

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| SAK 2.5/EN    | 100  | 0218660000 |
| SAK 2.5/EN BL | 100  | 0218680000 |

| Type                    | current | Qty. | Order No.  |
|-------------------------|---------|------|------------|
| Q 2 SAK2.5              | 41 A    | 50   | 0337000000 |
| Q 3 SAK2.5              | 41 A    | 50   | 0337100000 |
| Q 4 SAK2.5              | 41 A    | 50   | 0337200000 |
| Q 10 SAK2.5             | 41 A    | 20   | 0368700000 |
| Width                   |         |      |            |
| PS 2.3 RT               | 5.4 mm  | 20   | 0180400000 |
| STB 8.5/5/2.3/M3 SAK2.5 |         | 50   | 0280600000 |
| Width                   |         |      |            |
| AP SAK2.5/35 + AST3+4   | 1.5 mm  | 20   | 0460560000 |
| TW SAK2.5               | 2.5 mm  | 20   | 0302860000 |
| TW SAK2.5 BL            | 1.5 mm  | 20   | 0302880000 |
| Width                   |         |      |            |
| TSCH 1                  | 2 mm    | 100  | 0319160000 |
| AD 3 SAK2.5             |         | 50   | 0297900000 |
| BFSC M3X22 PA/RT        |         | 100  | 0128900000 |
| Width                   |         |      |            |
| DEK 5/6                 |         |      |            |

## SAK 4/EN

4 mm<sup>2</sup>

6.5 x 42 x 47.5

41 / 6

0.13...6

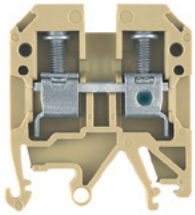


| IEC 60947-7-1                                                | Ex e II     | Ex          | II 2 G D   |
|--------------------------------------------------------------|-------------|-------------|------------|
| IEC                                                          | UL          | CSA         | EN 60079-7 |
| 800                                                          | 600         | 600         | 690        |
| 32                                                           | 30          | 36          | 28         |
| 4                                                            | AWG 22...12 | AWG 26...10 | 4          |
| 8 / 3                                                        |             |             |            |
| A4 / V2                                                      |             |             |            |
| KEMA 97ATEX1798 U                                            |             |             |            |
| Rated connection                                             |             |             |            |
| 0.5...6 / 0.5...4                                            |             |             |            |
| 0.5...4 / 0.5...4                                            |             |             |            |
| 0.5...1.0 Nm (M 3)                                           |             |             |            |
| 12 / 0.6 x 3.5 mm                                            |             |             |            |
| 1.5...1.5                                                    |             |             |            |
| 0.5...1.5                                                    |             |             |            |
| With twin ferrules ZH 0.5 to ZH 2.5, rated voltage is 690 V. |             |             |            |

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| SAK 4/EN    | 100  | 0467460000 |
| SAK 4/EN BL | 100  | 0467480000 |

| Type                    | current | Qty. | Order No.  |
|-------------------------|---------|------|------------|
| Q 2 SAK4                | 41 A    | 50   | 0336700000 |
| Q 3 SAK4                | 41 A    | 50   | 0336800000 |
| Q 4 SAK4                | 41 A    | 50   | 0336900000 |
| Q 10 SAK4               | 41 A    | 20   | 0368800000 |
| Width                   |         |      |            |
| VL 2 SAK4               | 32 A    | 50   | 0197000000 |
| VH 19/5/3.5 SAK4-16     |         | 50   | 0285100000 |
| BFSC M3X25              |         | 100  | 0292500000 |
| Width                   |         |      |            |
| PS 2.3 RT               | 5.4 mm  | 20   | 0180400000 |
| STB 14/D5/2.3/M3 SAK2.5 |         | 50   | 0168600000 |
| Width                   |         |      |            |
| AP SAK4-10              | 1.5 mm  | 20   | 0117960000 |
| AP SAK4-10 BL           | 1.5 mm  | 20   | 0117980000 |
| TW 4 SAK4-10            | 1.5 mm  | 20   | 0130160000 |
| TW 4 SAK4-10 BL         | 1.5 mm  | 20   | 0130180000 |
| Width                   |         |      |            |
| TSCH 1                  | 2 mm    | 100  | 0319160000 |
| AD 4 SAK4               |         | 50   | 0285300000 |
| BFSC M3X22 PA/RT        |         | 100  | 0128900000 |
| Width                   |         |      |            |
| DEK 5/6                 |         |      |            |

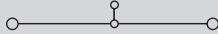
## SAK 6/EN

6 mm<sup>2</sup>

8 x 40 x 47.5

57 / 10

0.33...10



IEC 60947-7-1

Ex e II  II 2 G D

| IEC | UL         | CSA        | EN 60079-7 |
|-----|------------|------------|------------|
| 800 | 600        | 600        | 690        |
| 41  | 40         | 47         | 36         |
| 6   | AWG 22...8 | AWG 26...6 | 6          |

8 / 3

A5 / V2

   KEMA 97ATEX1798 U

## Rated connection

0.5...10 / 0.5...6

0.5...10 / 0.5...6

0.8...1.6 Nm (M 3.5)

12 / 4.0 x 0.8 mm

For AWG 8-7 and AWG 8-19, tightening torque is 1.21.4 Nm

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| SAK 6/EN    | 100  | 0212860000 |
| SAK 6/EN BL | 100  | 0212880000 |

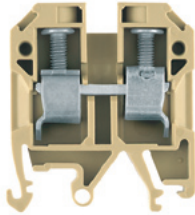
With AWG 6 and H07V-R10 conductors, an increased MD torque of 1.4 to 1.6 Nm should be used.

| Type                 | current | Qty. | Order No.  |
|----------------------|---------|------|------------|
| Q 2 SAK6N            | 32 A    | 50   | 0456700000 |
| Q 3 SAK6N            | 57 A    | 50   | 0456800000 |
| Q 4 SAK6N            | 57 A    | 50   | 0456900000 |
| Q 10 SAK6N           | 32 A    | 20   | 0457000000 |
|                      |         |      |            |
|                      |         |      |            |
| VL 2 SAK6N/SAKT      | 32 A    | 50   | 0194700000 |
| VH 19/5/3.5 SAK4-16  |         | 50   | 0285100000 |
| BFSC M3X25           |         | 100  | 0292500000 |
| Width                |         |      |            |
| PS 4 F.STB 4         | 7.6 mm  | 20   | 0299600000 |
| STB 14/D6/4/M3 SAK10 |         | 50   | 0169900000 |
|                      |         |      |            |
| AP SAK4-10           | 1.5 mm  | 20   | 0117960000 |
| AP SAK4-10 BL        | 1.5 mm  | 20   | 0117980000 |
| TW 4 SAK4-10         | 1.5 mm  | 20   | 0130160000 |
| TW 4 SAK4-10 BL      | 1.5 mm  | 20   | 0130180000 |
|                      |         |      |            |
| TSCH 1               | 2 mm    | 100  | 0319160000 |
|                      |         |      |            |
| AD 4 SAK6N           |         | 50   | 0196600000 |
| BFSC M3X22 PA/RT     |         | 100  | 0128900000 |

DEK 5/8

When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.

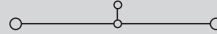
## SAK 10/EN

10 mm<sup>2</sup>

10 x 41.5 x 47.5

76 / 16

1.5...16



IEC 60947-7-1

Ex e II  II 2 G D

| IEC | UL         | CSA        | EN 60079-7 |
|-----|------------|------------|------------|
| 800 | 600        | 600        | 550        |
| 57  | 60         | 65         | 50         |
| 10  | AWG 14...6 | AWG 16...6 | 10         |

8 / 3

B6 / V2

  KEMA 97ATEX1798 U

## Rated connection

1.5...16 / 1.5...16

1.5...16 / 1.5...10

2.0...4.0 Nm (M 4)

12 / 1.0 x 5.5 mm

When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.

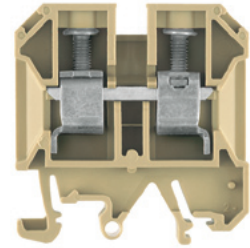
| Type         | Qty. | Order No.  |
|--------------|------|------------|
| SAK 10/EN    | 100  | 0337660000 |
| SAK 10/EN BL | 100  | 1784410000 |

A higher torque of 2 to 2.4 Nm is necessary when using H07V-R16 and AWG 6 conductors.

| Type                 | current | Qty. | Order No.  |
|----------------------|---------|------|------------|
| Q 2 SAK10            | 57 A    | 50   | 0457100000 |
| Q 3 SAK10            | 57 A    | 50   | 0457200000 |
| Q 4 SAK10            | 57 A    | 50   | 0457300000 |
| Q 10 SAK10           | 57 A    | 20   | 0457400000 |
|                      |         |      |            |
|                      |         |      |            |
| VL 2 SAK6N/SAKT      | 32 A    | 50   | 0194700000 |
| VH 19/5/3.5 SAK4-16  |         | 50   | 0285100000 |
| BFSC M3X25           |         | 100  | 0292500000 |
| Width                |         |      |            |
| PS 4 F.STB 4         | 7.6 mm  | 20   | 0299600000 |
| STB 14/D6/4/M3 SAK10 |         | 50   | 0169900000 |
|                      |         |      |            |
| AP SAK4-10           | 1.5 mm  | 20   | 0117960000 |
| AP SAK4-10 BL        | 1.5 mm  | 20   | 0117980000 |
| TW 4 SAK4-10         | 1.5 mm  | 20   | 0130160000 |
| TW 4 SAK4-10 BL      | 1.5 mm  | 20   | 0130180000 |
|                      |         |      |            |
| TSCH 1               | 2 mm    | 100  | 0319160000 |
|                      |         |      |            |
| AD 4 SAK10           |         | 50   | 0178600000 |
| BFSC M3X22 PA/RT     |         | 100  | 0128900000 |

DEK 5/5

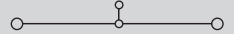
## SAK 16/EN

16 mm<sup>2</sup>

12 x 50 x 53.5

76 / 16

2.5...16



IEC 60947-7-1

Ex e II  II 2 G D

| IEC  | UL         | CSA        | EN 60079-7 |
|------|------------|------------|------------|
| 1000 | 600        | 600        | 690        |
| 76   | 80         | 87         | 66         |
| 16   | AWG 12...4 | AWG 14...6 | 16         |

8 / 3

B6 / V2

  KEMA 97ATEX1798 U

## Rated connection

2.5...16 / 4...16

4...16 / 4...16

2.0...4.0 Nm (M 4)

15 / 1.0 x 5.5 mm

Twin wire end ferrules ZH 2.5 - ZH 16 can be used.

| Type         | Qty. | Order No.  |
|--------------|------|------------|
| SAK 16/EN    | 50   | 0339760000 |
| SAK 16/EN BL | 50   | 1784390000 |

If QIs are aligned side by side, then a TW/AP must be used.

| Type                 | current | Qty. | Order No.  |
|----------------------|---------|------|------------|
| Q 2 SAK16            | 76 A    | 50   | 0457500000 |
| Q 3 SAK16            | 76 A    | 50   | 0457600000 |
| Q 4 SAK16            | 76 A    | 50   | 0457700000 |
| Q 10 SAK16           | 76 A    | 20   | 0457800000 |
|                      |         |      |            |
|                      |         |      |            |
| VL 2 SAK16/SAKA      | 57 A    | 50   | 0135800000 |
| VH 19/5/3.5 SAK4-16  |         | 50   | 0285100000 |
| BFSC M3X25           |         | 100  | 0292500000 |
| Width                |         |      |            |
| PS 4 F.STB 4         | 7.6 mm  | 20   | 0299600000 |
| STB 14/D6/4/M3 SAK10 |         | 50   | 0169900000 |
|                      |         |      |            |
| AP SAK16             | 1.5 mm  | 20   | 0271160000 |
| AP SAK16 BL          | 1.5 mm  | 20   | 0271180000 |
|                      |         |      |            |
| TSCH 1               | 2 mm    | 100  | 0319160000 |
|                      |         |      |            |
| AD 4 SAK16           |         | 50   | 0518200000 |
| BFSC M3X22 PA/RT     |         | 100  | 0128900000 |

DEK 5/5

Feed-through modular terminals

TS 35 + TS 32 / PA

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

|                                         |                   |
|-----------------------------------------|-------------------|
| Width/Length/height with TS35x7.5       | mm                |
| max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

Technical data

| Rated data                                       |                 |
|--------------------------------------------------|-----------------|
| Rated voltage                                    | V               |
| Rated current                                    | A               |
| Rated cross-section                              | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity       | kV/-            |
| Gauge to IEC 60947-1 / UL94 Flammability class   |                 |
| Approvals                                        |                 |
| Clamped conductors (H05V/H07V)                   |                 |
| solid / stranded                                 | mm <sup>2</sup> |
| flexible / Stranded wire with end ferrules       | mm <sup>2</sup> |
| Tightening torque range (clamping screw)         |                 |
| Stripping length / Blade size                    | mm/-            |
| 2 conductors with same cross-section (H05V/H07V) |                 |
| solid / stranded                                 | mm <sup>2</sup> |
| flexible / Stranded wire with end ferrules       | mm <sup>2</sup> |
| Note                                             |                 |

Ordering data

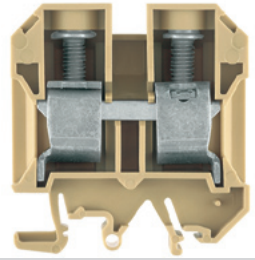
| Version |       |
|---------|-------|
|         | beige |
|         | Blue  |
| Note    |       |

Accessories

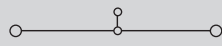
| Screwable cross-connection                                                                         |                                 |
|----------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                    | 2-pole                          |
|                                                                                                    | 3-pole                          |
|                                                                                                    | 4-pole                          |
|                                                                                                    | 10-pole                         |
|                                                                                                    | Connecting sleeve               |
|                                                                                                    | Mounting screw                  |
|                                                                                                    | Lock washer                     |
| Switchable link                                                                                    |                                 |
|                                                                                                    | Switchable link                 |
|                                                                                                    | Connecting sleeve               |
|                                                                                                    | Mounting screw                  |
| Testing / Checking                                                                                 |                                 |
|                                                                                                    | Test plug                       |
|                                                                                                    | Socket                          |
| End plate / Partition plate                                                                        |                                 |
|                                                                                                    | beige                           |
|                                                                                                    | Blue                            |
|                                                                                                    | beige                           |
|                                                                                                    | Blue                            |
| Small partition                                                                                    |                                 |
|                                                                                                    | Small partition                 |
| Cover / warning label                                                                              |                                 |
|                                                                                                    | Cover / warning label           |
|                                                                                                    | Mounting screw (plastic)        |
| Marking systems                                                                                    |                                 |
|                                                                                                    | (see assortment in catalogue 7) |
|                                                                                                    | Marking tags                    |
| For detailed information on other accessories and applications, refer to the „Accessories“ section |                                 |

SAK 35/EN

35 mm<sup>2</sup>



|                |
|----------------|
| 18 x 58 x 63.5 |
| 150 / 50       |
| 2.5...50       |



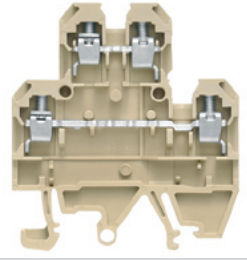
| IEC 60947-7-1 Ex e ll Ex ll 2 G D                                                                                                                   |            |            |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|
| IEC                                                                                                                                                 | UL         | CSA        | EN 60079-7 |
| 1000                                                                                                                                                | 600        | 600        | 690        |
| 125                                                                                                                                                 | 115        | 145        | 109        |
| 35                                                                                                                                                  | AWG 12...2 | AWG 12...2 | 35         |
| 8 / 3                                                                                                                                               |            |            |            |
| B8 / V2                                                                                                                                             |            |            |            |
| KEMA 97ATEX1798 U                                                                                                                                   |            |            |            |
| Rated connection                                                                                                                                    |            |            |            |
| 2.5...16 / 4...50                                                                                                                                   |            |            |            |
| 2.5...35 / 2.5...35                                                                                                                                 |            |            |            |
| 4.0...5.0 Nm (M 6)                                                                                                                                  |            |            |            |
| 18 / 6.5 x 1.2 mm                                                                                                                                   |            |            |            |
| 2.5...16 16                                                                                                                                         |            |            |            |
| 2.5...16 / 2.5...16                                                                                                                                 |            |            |            |
| The tightening torque is 4.5 Nm for 16 - 50 mm <sup>2</sup> and AWG 6 - 2/7 stranded conductors. Twin wire end ferrules ZH 2.5 - ZH 16 can be used. |            |            |            |

| Type                                                                           | Qty. | Order No.  |
|--------------------------------------------------------------------------------|------|------------|
| SAK 35/EN                                                                      | 20   | 0339860000 |
| SAK 35/EN BL                                                                   | 20   | 1784400000 |
| It is possible to use twin ferrules with identical rated voltages (LAB 13090). |      |            |

| Type                                                        | current | Qty. | Order No.  |
|-------------------------------------------------------------|---------|------|------------|
| QL 2 SAK35                                                  | 99 A    | 20   | 0123600000 |
| QL 3 SAK35                                                  | 99 A    | 20   | 0123700000 |
| QL 4 SAK35                                                  | 99 A    | 20   | 0123800000 |
| QL 10 SAK35                                                 | 99 A    | 20   | 0338600000 |
| VH 17/8/5 SAK35                                             |         | 50   | 0267000000 |
| BFSC M4X30                                                  |         | 50   | 0267100000 |
| SS M4 D 128-A 4                                             |         | 100  | 0136400000 |
| Width                                                       |         |      |            |
| PS 4 F.STB 4                                                | 7.6 mm  | 20   | 0299600000 |
| STB 16/D7/4/M4 SAK35                                        |         | 50   | 0140200000 |
| AP SAK35/TW SAK16                                           | 1.5 mm  | 10   | 0303660000 |
| AP SAK35/TW SAK16 BL                                        | 1.5 mm  | 10   | 0303680000 |
| TW SAK35                                                    | 1.5 mm  | 20   | 0304360000 |
| AD 4 SAK35                                                  |         | 50   | 0178700000 |
| BFSC M4X32 PA/RT                                            |         | 100  | 0129100000 |
| DEK 5/5 / SHT 7                                             |         |      |            |
| If QIs are aligned side by side, then a TW/AP must be used. |         |      |            |

DK 4 Q/EN

4 mm<sup>2</sup>



|                 |
|-----------------|
| 6.5 x 54 x 47.5 |
| 41 / 6          |
| 0.13...6        |

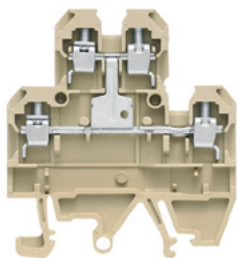
| IEC 60947-7-1 Ex e ll Ex ll 2 G D                            |             |             |            |
|--------------------------------------------------------------|-------------|-------------|------------|
| IEC                                                          | UL          | CSA         | EN 60079-7 |
| 500                                                          | 600         | 600         | 690        |
| 32                                                           | 30          | 36          | 28         |
| 4                                                            | AWG 22...12 | AWG 26...10 | 4          |
| 8 / 3                                                        |             |             |            |
| A4 / V2                                                      |             |             |            |
| KEMA 97ATEX1798 U                                            |             |             |            |
| Rated connection                                             |             |             |            |
| 0.5...6 / 0.5...4                                            |             |             |            |
| 0.5...4 / 0.5...2.5                                          |             |             |            |
| 0.5...1.0 Nm (M 3)                                           |             |             |            |
| 12 / 0.6 x 3.5 mm                                            |             |             |            |
| 1.5...1.5                                                    |             |             |            |
| 0.5...1.5                                                    |             |             |            |
| With twin ferrules ZH 0.5 to ZH 2.5, rated voltage is 690 V. |             |             |            |

| Type         | Qty. | Order No.  |
|--------------|------|------------|
| DK 4 Q/EN    | 100  | 1907040000 |
| DK 4 Q/EN BL | 100  | 1907030000 |

| Type                    | current | Qty. | Order No.  |
|-------------------------|---------|------|------------|
| Q 2 SAK4                | 41 A    | 50   | 0336700000 |
| Q 3 SAK4                | 41 A    | 50   | 0336800000 |
| Q 4 SAK4                | 41 A    | 50   | 0336900000 |
| Q 10 SAK4               | 41 A    | 20   | 0368800000 |
| VL 2 SAK4               | 32 A    | 50   | 0197000000 |
| VH 19/5/3.5 SAK4-16     |         | 50   | 0285100000 |
| BFSC M3X25              |         | 100  | 0292500000 |
| Width                   |         |      |            |
| PS 2.3 RT               | 5.4 mm  | 20   | 0180400000 |
| STB 14/D5/2.3/M3 SAK2.5 |         | 50   | 0168600000 |
| AP SAK4-10              | 1.5 mm  | 20   | 0117960000 |
| AP SAK4-10 BL           | 1.5 mm  | 20   | 0117980000 |
| TW 4 SAK4-10            | 1.5 mm  | 20   | 0130160000 |
| TW 4 SAK4-10 BL         | 1.5 mm  | 20   | 0130180000 |
| TSCH 1                  | 2 mm    | 100  | 0319160000 |
| AD 4 SAK4               |         | 50   | 0285300000 |
| BFSC M3X22 PA/RT        |         | 100  | 0128900000 |
| DEK 5/6                 |         |      |            |

DK 4 QV/EN

4 mm<sup>2</sup>



6.5 x 54 x 47.5

41 / 6

0.13...6

IEC 60947-7-1

Ex e II



II 2 G D

| IEC     | UL          | CSA         | EN 60079-7 |
|---------|-------------|-------------|------------|
| 500     | 600         | 600         | 690        |
| 32      | 30          | 36          | 28         |
| 4       | AWG 22...12 | AWG 26...10 | 4          |
| 8 / 3   |             |             |            |
| A4 / V2 |             |             |            |

KEMA 97ATEX1798 U

Rated connection

0.5...6 / 0.5...4

0.5...4 / 0.5...2.5

0.5...1.0 Nm (M 3)

12 / 0.6 x 3.5 mm

1.5...1.5

0.5...1.5

With twin ferrules ZH 0.5 to ZH 2.5, rated voltage is 690 V.

| Type       | Qty. | Order No.  |
|------------|------|------------|
| DK 4 QV/EN | 100  | 1907020000 |

| Type                    | current | Qty. | Order No.  |
|-------------------------|---------|------|------------|
| Q 2 SAK4                | 41 A    | 50   | 0336700000 |
| Q 3 SAK4                | 41 A    | 50   | 0336800000 |
| Q 4 SAK4                | 41 A    | 50   | 0336900000 |
| Q 10 SAK4               | 41 A    | 20   | 0368800000 |
|                         |         |      |            |
|                         |         |      |            |
|                         |         |      |            |
| VL 2 SAK4               |         | 50   | 0197000000 |
| VH 19/5/3.5 SAK4-16     |         | 50   | 0285100000 |
| BFSC M3X25              |         | 100  | 0292500000 |
| Width                   |         |      |            |
| PS 2.3 RT               | 5.4 mm  | 20   | 0180400000 |
| STB 14/D5/2.3/M3 SAK2.5 |         | 50   | 0168600000 |
|                         |         |      |            |
| AP SAK4-10              | 1.5 mm  | 20   | 0117960000 |
| AP SAK4-10 BL           | 1.5 mm  | 20   | 0117980000 |
| TW 4 SAK4-10            | 1.5 mm  | 20   | 0130160000 |
| TW 4 SAK4-10 BL         | 1.5 mm  | 20   | 0130180000 |
|                         |         |      |            |
| TSCH 1                  | 2 mm    | 100  | 0319160000 |
|                         |         |      |            |
| AD 4 SAK4               |         | 50   | 0285300000 |
| BFSC M3X22 PA/RT        |         | 100  | 0128900000 |

DEK 5/6

Stud terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

|                                         |       |
|-----------------------------------------|-------|
| Width/Length/height with TS35x7.5       | mm    |
| max. current / max. cond. cross-section | A/mm² |
| Max. clamping range                     | mm²   |

Technical data

| Rated data                                       |      |
|--------------------------------------------------|------|
| Rated voltage                                    | V    |
| Rated current                                    | A    |
| Rated cross-section                              | mm²  |
| Rated impulse voltage / Pollution severity       | kV/- |
| Gauge to IEC 60947-1 / UL94 Flammability class   |      |
| Approvals                                        |      |
| Clamped conductors (H05V/H07V)                   |      |
| solid / stranded                                 | mm²  |
| flexible / Stranded wire with end ferrules       | mm²  |
| Tightening torque range (clamping screw)         |      |
| Stripping length / Blade size                    | mm/- |
| 2 conductors with same cross-section (H05V/H07V) |      |
| solid / stranded                                 | -    |
| flexible / Stranded wire with end ferrules       | -    |
| Note                                             |      |

Ordering data

| Version |
|---------|
|         |
| Note    |

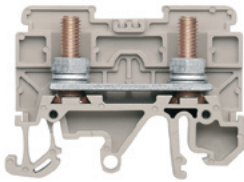
Accessories

| End plate / Partition plate |
|-----------------------------|
| beige                       |
| beige                       |

ST 5

16 mm²

Screw thread M5



16.4 x 54.22 x 47.1

| IEC              | UL          | CSA |
|------------------|-------------|-----|
| 800              | 600         |     |
| 76               | 65          |     |
| 16               | AWG 12...10 |     |
|                  | 8 / 3       |     |
|                  | / V-0       |     |
| Rated connection |             |     |
|                  |             |     |
|                  |             |     |
|                  |             |     |
|                  |             |     |
|                  |             |     |

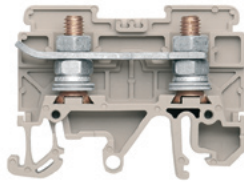
| Type       | Qty. | Order No.  |
|------------|------|------------|
| ST 5 PA/BE | 20   | 0448360000 |

| Type          | Width | Qty. | Order No.  |
|---------------|-------|------|------------|
| AP ST5 PPO/SW |       | 10   | 0447240000 |
| TW ST5 PA/BE  |       | 10   | 0477660000 |

STL 5

16 mm²

Screw thread M5



16.4 x 54.22 x 47.1

| IEC              | UL          | CSA |
|------------------|-------------|-----|
| 800              | 600         |     |
| 76               | 65          |     |
| 16               | AWG 12...10 |     |
|                  | 8 / 3       |     |
|                  | / V-0       |     |
| Rated connection |             |     |
|                  |             |     |
|                  |             |     |
|                  |             |     |
|                  |             |     |
|                  |             |     |

| Type  | Qty. | Order No.  |
|-------|------|------------|
| STL 5 | 20   | 0448460000 |

| Type          | Width | Qty. | Order No.  |
|---------------|-------|------|------------|
| AP ST5 PPO/SW |       | 10   | 0447240000 |
| TW ST5 PA/BE  |       | 10   | 0477660000 |

(see assortment in catalogue 7)

For detailed information on other accessories and applications, refer to the „Accessories“ section

## TS 35 + TS 32 / PA

## ASK 1

4 mm<sup>2</sup>

With or without LED

## KDKS 1 m. LED

4 mm<sup>2</sup>

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

|                                         |                   |
|-----------------------------------------|-------------------|
| Width/Length/height with TS35x7.5       | mm                |
| max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                     |                 |
|------------------------------------------------|-----------------|
| Rated voltage                                  | V               |
| Rated current                                  | A               |
| Rated cross-section                            | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity     | kV/-            |
| Gauge to IEC 60947-1 / UL94 Flammability class | Approvals       |
| Clamped conductors (H05V/H07V)                 |                 |
| solid / stranded                               | mm <sup>2</sup> |
| flexible / Stranded wire with end ferrules     | mm <sup>2</sup> |
| Tightening torque range (clamping screw)       |                 |
| Stripping length / Blade size                  | mm/-            |
| Note                                           |                 |

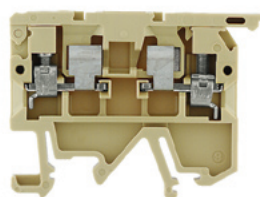
## Ordering data

| Version              |  |
|----------------------|--|
| 500 V AC/DC          |  |
| With LED 230 V AC    |  |
| With LED 230 V DC    |  |
| With LED 115 V AC    |  |
| With LED 115 V DC    |  |
| With LED 60 V DC     |  |
| With LED 48 V AC     |  |
| With LED 48 V DC     |  |
| With LED 24 V AC     |  |
| With LED +/- 24 V DC |  |
| Note                 |  |

## Accessories

| Screwable cross-connection  |  |
|-----------------------------|--|
| 2-pole                      |  |
| 3-pole                      |  |
| 4-pole                      |  |
| End plate / Partition plate |  |

|                                                                                                    |                                 |
|----------------------------------------------------------------------------------------------------|---------------------------------|
| Marking systems                                                                                    | (see assortment in catalogue 7) |
|                                                                                                    | Marking tags                    |
| For detailed information on other accessories and applications, refer to the „Accessories“ section |                                 |



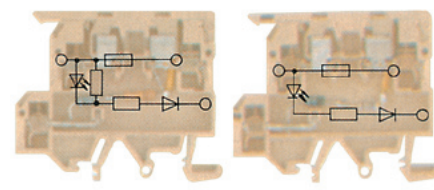
|               |  |
|---------------|--|
| 8.1 x 58 x 43 |  |
| 6.3 / 4       |  |
| 0.13...4      |  |

| IEC                                                                                                                                  | UL          | CSA         |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| 500                                                                                                                                  |             |             |
| 6.3                                                                                                                                  |             |             |
| 4                                                                                                                                    | AWG 22...12 | AWG 26...12 |
|                                                                                                                                      | 6 / 3       |             |
|                                                                                                                                      | A3 / V2     |             |
|                                                                                                                                      |             |             |
| Rated connection                                                                                                                     |             |             |
| 0.5...4                                                                                                                              |             |             |
| 0.5...4 / 0.5...4                                                                                                                    |             |             |
| 0.6...0.8 Nm (M 3)                                                                                                                   |             |             |
| 9 / 0.6 x 3.5 mm                                                                                                                     |             |             |
| Note: max. conductor size = 2.5 mm <sup>2</sup> when using the cross-connection. Twin wire-end ferrules ZH 0.5 - ZH 2.5 can be used. |             |             |

| Type                    | Qty. | Order No.  |
|-------------------------|------|------------|
| ASK 1/EN                | 100  | 0474560000 |
| ASK 1/EN LD 1D 230VAC   | 25   | 0225760000 |
| ASK 1/EN LD 120K 230VDC | 25   | 0225660000 |
| ASK 1/EN LD 1D 115VAC   | 25   | 0225560000 |
| ASK 1/EN LD 56K 115VDC  | 25   | 0225460000 |
| ASK 1/EN LD 33K 60VDC   | 25   | 0226460000 |
| ASK 1/EN LD 1D 48VAC    | 25   | 0225360000 |
| ASK 1/EN LD 27K 48VDC   | 25   | 0225260000 |
| ASK 1/EN LD 1D 24VAC    | 25   | 0222860000 |
| ASK 1/EN LD 15K 24VDC   | 25   | 0222760000 |

| Type           | current | Qty. | Order No.  |
|----------------|---------|------|------------|
| QB 2 WI RA8 IS | 27 A    | 50   | 0461100000 |
| QB 3 WI RA8 IS | 27 A    | 50   | 0461200000 |
| QB 4 WI RA8 IS | 27 A    | 50   | 0461300000 |
| Width          |         |      |            |
| AP ASK1        | 1.5 mm  | 20   | 0380360000 |

|                 |
|-----------------|
| DEK 5/8 / SHT 7 |
|-----------------|



|                  |  |
|------------------|--|
| 8 x 62.75 x 55.5 |  |
| 6.3 / 4          |  |
| 0.5...4          |  |

| IEC                                                                              | UL      | CSA |
|----------------------------------------------------------------------------------|---------|-----|
| 500                                                                              |         |     |
| 6.3                                                                              |         |     |
| 4                                                                                |         |     |
|                                                                                  | / 3     |     |
|                                                                                  | A3 / V2 |     |
|                                                                                  |         |     |
| Rated connection                                                                 |         |     |
| 0.5...4                                                                          |         |     |
| 0.5...4 / 0.5...4                                                                |         |     |
| 0.5...0.8 Nm (M 3)                                                               |         |     |
| 9 / 0.6 x 3.5 mm                                                                 |         |     |
| Note: max. conductor size = 2.5 mm <sup>2</sup> when using the cross-connection. |         |     |

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| KDKS1/EN LD 230VAC | 25   | 8148910000 |
| KDKS1/EN LD 115VAC | 25   | 8142840000 |
| KDKS1/EN LD 48 VAC | 25   | 8148920000 |
| KDKS1/EN LD 24 VAC | 25   | 8148930000 |
| KDKS1/EN LD 24VDC  | 25   | 8146450000 |

| Type           | current | Qty. | Order No.  |
|----------------|---------|------|------------|
| QB 2 WI RA8 IS | 27 A    | 50   | 0461100000 |
| QB 3 WI RA8 IS | 27 A    | 50   | 0461200000 |
| QB 4 WI RA8 IS | 27 A    | 50   | 0461300000 |
| Width          |         |      |            |
| AP KDKS1 EN    |         | 20   | 9503340000 |

|         |
|---------|
| DEK 5/8 |
|---------|

## Earth conductor isolating terminals

## SAKA 10/EN

10 mm<sup>2</sup>

## Neon lamp



In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

|                                         |                   |
|-----------------------------------------|-------------------|
| Width/Length/height with TS35x7.5       | mm                |
| max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

24 x 82 x 61.5

47 / 10

0.5...10

## Technical data

## Rated data

|                                                |                 |
|------------------------------------------------|-----------------|
| Rated voltage                                  | V               |
| Rated current                                  | A               |
| Rated cross-section                            | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity     | kV/-            |
| Gauge to IEC 60947-1 / UL94 Flammability class |                 |
| Approvals                                      |                 |

## Clamped conductors (H05V/H07V)

|                                            |                 |
|--------------------------------------------|-----------------|
| solid / stranded                           | mm <sup>2</sup> |
| flexible / Stranded wire with end ferrules | mm <sup>2</sup> |
| Tightening torque range (clamping screw)   |                 |
| Stripping length / Blade size              | mm/-            |

## Note

| IEC | UL | CSA   |
|-----|----|-------|
| 24  |    |       |
| 47  |    |       |
| 10  |    |       |
|     |    | / 5VA |

## Rated connection

|                     |
|---------------------|
| 0.5...10            |
| 0.5...10 / 0.5...10 |
| 1.2...2.2 Nm        |
| 12 /                |

Tightening torque 1.6 Nm for 10 mm<sup>2</sup> stranded wire.

## Ordering data

## Version

24 V~  
230 V~

## Note

| Type                  | Qty. | Order No.  |
|-----------------------|------|------------|
| SAKA 10/EN 2GL 24VUC  | 5    | 8150150000 |
| SAKA 10/EN 2GL 230VAC | 5    | 8109130000 |

## Accessories

## End bracket

Dark beige Wemid  
Dark beige Wemid

| Type  | Width  | Qty. | Order No.  |
|-------|--------|------|------------|
| EWK 1 | 9 mm   | 50   | 0206160000 |
| EW 35 | 8.5 mm | 50   | 0383560000 |

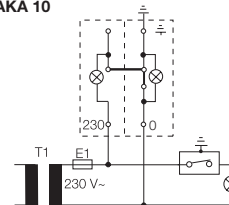
(see assortment in catalogue 7)

For detailed information on other accessories and applications, refer to the „Accessories“ section

Width with AP = 27 mm

## Operating mode

## SAKA 10

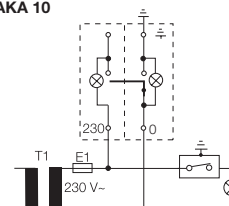


- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

## Test position

When measuring insulation resistance with voltages greater than UNom, the earth connection must first be disconnected.

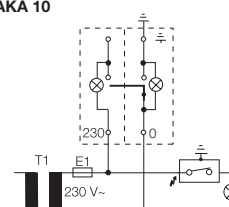
## SAKA 10



- Slide link is opened
- Auxiliary circuit is **not earthed**
- No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than UNom, the earth connection must be disconnected.

## Operational malfunction

## SAKA 10



- Slide link is opened
- Auxiliary circuit is **not earthed**
- Earth fault**
- Display is illuminated red