

TERMINAL BLOCK SUMMARY

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FEEDTHROUGH TERMINALS FUSE TERMINALS  
DISCONNECT TERMINALS  
MICRO TERMINALS CIRCUIT BREAKERS

## PRODUCT INFORMATION

When good enough just isn't good enough

**Weidmüller** 

## Feedthrough Terminals

### SAK Terminals

- screw clamp technology
- 2.5mm<sup>2</sup> to 95mm<sup>2</sup>; 26 to 3/0AWG
- mounting on TS32 or TS35 DIN rail or both (combi-foot)
- available in both polyamide 6.6 and melamine materials



### Z-Series

- tension (spring) clamp
- accepts all types of wire, even those with fitted ferrules
- 1.5mm<sup>2</sup> to 35mm<sup>2</sup>; 28 to 2AWG
- pluggable 2...10 pole cross-connections save time
- integrated test socket
- Wemid plastic material
  - creepage resistance - CTI>600
  - withstands high temperature of +120°C maximum continuous
  - self-extinguishing UL94-V0
  - no pollutants



### W-Series

- screw clamp technology
- from 1.5mm<sup>2</sup> to 150mm<sup>2</sup>; 26AWG to 250MCM
- Wemid plastic material
  - creepage resistance - CTI>600
  - withstands high temperature of +120°C maximum continuous
  - self-extinguishing UL94-V0
  - no pollutants
- large marking tags



## Feedthrough Terminals

| Type    | Rating<br>CSA | Wire Size<br>AWG | Cat.No.<br>melamine | Melamine<br>End Plate | Cat.No.<br>polyamide | Polyamide<br>End Plate | Cat. No.<br>polyamide | Polyamide<br>End Plate |
|---------|---------------|------------------|---------------------|-----------------------|----------------------|------------------------|-----------------------|------------------------|
| SAK 2.5 | 600V/25A      | 26...10          | ┐ 27962<br>└ 38042  | 27952<br>27952        | ┐ 27966<br>└ 38046   | 27956<br>46056         | ┐└ 21866              | 46056                  |
| SAK 4   | 600V/36A      | 26...10          | ┐ 12832<br>└ 44362  | 11792<br>11792        | ┐ 12836<br>└ 44366   | 11796<br>11796         | ┐└ 46746              | 11797                  |
| SAK 6N  | 600V/47A      | 20...8           | ┐ 19322<br>└ 38052  | 11792<br>11792        | ┐ 19326<br>└ 38056   | 11796<br>11796         | ┐└ 21286              | 11796                  |
| SAK 6   | 600V/47A      | 20...8           | ┐ 10992             | 11792                 | -                    | -                      | -                     | -                      |
| SAK 10  | 600V/65A      | 16...6           | ┐ 11002<br>└ 44372  | 11792<br>11792        | ┐ 11006<br>└ 44376   | 11796<br>11796         | ┐└ 33766              | 11796                  |
| SAK 16  | 600V/87A      | 14...4           | ┐ 27102<br>└ 38062  | 27112<br>27112        | ┐ 27106<br>└ 38066   | 27116<br>27116         | ┐└ 33976              | 27116                  |
| SAK 35N | 600V/120A     | 12...2           | ┐ 55062<br>└ 60822  | 30362<br>30362        | ┐ 55066<br>└ 60826   | 30366<br>30366         | -                     | -                      |
| SAK 35  | 600V/145A     | 12...2           | ┐ 30352             | 30362                 | ┐ 30356<br>└ 30876   | 30366<br>30366         | ┐└ 33986              | 30366                  |

| Type          | Configuration                   | Rating<br>CSA | Wire Size<br>AWG | Cat.No.<br>┐└ | End Plate<br>Cat. # |
|---------------|---------------------------------|---------------|------------------|---------------|---------------------|
| ZDU 2.5       | single level                    | 600V/27A      | 26...12          | 160851        | 160874              |
| ZDU 2.5/3AN   | 1 in - 2 out<br>branch          | 600V/27A      | 26...12          | 160854        | 160877              |
| ZDU 2.5/4AN   | 2 in - 2 out<br>branch commoned | 600V/27A      | 26...12          | 160857        | 160880              |
| ZDU 2.5/2x2AN | single level<br>dual connection | 300V/27A      | 26...12          | 160860        | 160880              |
| ZDU 4         | single level                    | 600V/35A      | 26...10          | 163205        | 163209              |
| ZDU 6         | single level                    | 600V/50A      | 20...8           | 160862        | 160883              |
| ZDU 10        | single level                    | 600V/55A      | 16...6           | 174675        | 174866              |
| ZDU 16        | single level                    | 600V/65A      | 14...4           | 174523        | 174515              |

| Type         | Rating<br>CSA | Wire Size<br>AWG | Cat.No.<br>┐└ | End Plate<br>Cat. # |
|--------------|---------------|------------------|---------------|---------------------|
| WDU 2.5N     | 300V/20A      | 26...12          | 102370        | 106000              |
| WDU 2.5N/600 | 600V/20A      | 26...12          | 173094        | 106000              |
| WDU 2.5      | 600V/20A      | 26...12          | 102000        | 105000              |
| WDU 4        | 600V/35A      | 26...10          | 102010        | 105000              |
| WDU 6        | 600V/45A      | 20...8           | 102020        | 105000              |
| WDU 10       | 600V/65A      | 16...6           | 102030        | 105000              |
| WDU 16N      | 300V/70A      | 14...6           | 103610        | not required        |
| WDU 16       | 600V/65A      | 14...6           | 102040        | 105010              |
| WDU 35       | 600V/120A     | 12...2           | 102050        | 105010              |

see Terminal Block catalog for complete offering

## Fuse Terminals



### ZSI 2.5

- 8mm wide
- Wemid
- tension clamp



### ASK 1EN/LD

- 8mm wide
- polyamide
- combifoot for TS32 & TS35 DIN rails



### WSI 6

- 8mm wide
- Wemid



### KDKS 1PE

- 8mm wide
- polyamide
- fused, feed-through and ground connections
- available with combifoot but without ground connection



### WSI 6/2

- 12mm wide
- Wemid



### USI 16

- 17.5mm wide
- Polyamide

| Type             | Fuse Size            | Max Fuse Rating (CSA) | Cat. No. w/o Ind. | Cat.No. 24V Ind. | Cat.No. 120V Ind. | Cat.No. 230V Ind. | End Plate |
|------------------|----------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-----------|
| <b>WSI 6</b>     | 5 x 20mm<br>5 x 25mm | 10A                   | 101100            | 101220           | 101230            | 101240            | 105000    |
| <b>WSI 6/2</b>   | 1/4" x 1 1/4"        | 16A                   | 101400            | 101420           | 101430            | 101440            | 105000    |
| <b>ASK 1LD</b>   | 5 x 20mm             | 10A                   | 47456             | 22276            | 22556             | 22576             | 038036    |
| <b>KDKS 1/LD</b> | 5 x 20mm             | 10A                   | 950335            | 980272           | 980276            | 980278            | 950333    |
| <b>KDKS 1/PE</b> | 5 x 20mm             | 10A                   | 952811            | 915833           | 915835            |                   | 950333    |
| <b>ZSI 2.5</b>   | 5 x 20mm             | 15A                   | 161640            | 161643           | 161642            |                   | 160880    |
| <b>USI 16</b>    | 13/32" x 1 1/2"      |                       |                   |                  |                   |                   |           |
|                  | 1 pole               | 30A                   | 991073            |                  | 990975            | 990975            | n/a       |
|                  | 2 pole               | 30A                   | 991074            |                  | 991627            | 991627            | n/a       |
|                  | 3 pole               | 30A                   | 991076            |                  | 991770            | 991770            | n/a       |

- fuse failure indication is red LED
- WSI indication is AC/DC, not polarity sensitive
- ASK1, ZSI and KDKS1 indication is AC/DC with hinge side negative in DC applications
- USI indicator is neon

## Disconnect Terminals



### Lever Disconnect

- WTR 2.5
- ZTR 2.5
- SAKR



### Pull-Pin Disconnect

- SAKC 4
- SAKC 10



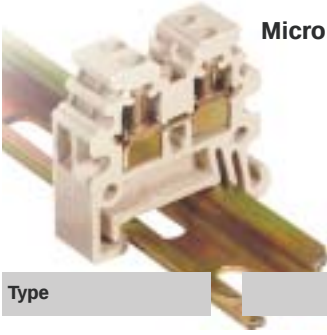
### Sliding Link Disconnect

- WTL 6/1/STB
- WTD 6/1

| Type        | Rating<br>(CSA) | Cat.No.<br>⌋ | Cat.No.<br>⌋ | End Plate |
|-------------|-----------------|--------------|--------------|-----------|
| WTR 2.5     | 300V/10A        | -            | 101110       | 105000    |
| ZTR 2.5     | 300V/10A        | -            | 160868       | 160877    |
| SAKR        | 300V/10A        | 41216        | 17216        | 021136    |
| SAKC 4      | 300V/25A        | 34072        | 35752        | 011792    |
| SAKC 10     | 600V/25A        | 32402        | -            | 014672    |
| WTL 6/1/STB | 300V/45A        | 101700       | 101690       | 106830    |

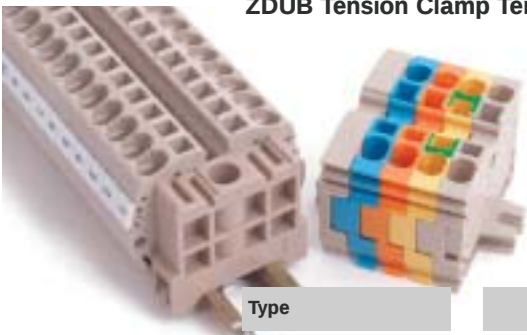
- SAKC 4 & SAKC 10: melamine, gold flashed contact disconnect pins
- SAKR: polyamide
- WTR, WTL & ZTR: Wemid
- for a complete description of polyamide and Wemid moulding materials see the “Specifier’s Guide: Terminal Blocks”

## NEW Terminal Blocks



Micro Terminals for 15mm DIN Rail

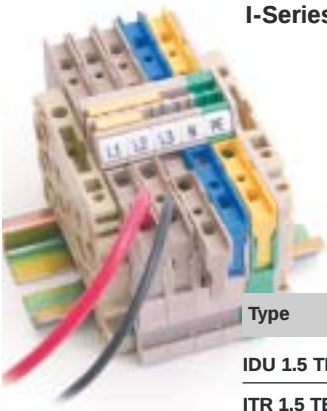
| Type                | Rail | Rating CSA | Wire Size | Cat. #     | End Plate Cat. # |
|---------------------|------|------------|-----------|------------|------------------|
| <b>WDU 1.5/R3.5</b> | TS15 | 300V/10A   | 26-14     | 1753280000 | 1754190000       |
| <b>WDK 1.5/R3.5</b> | TS15 | 300V/10A   | 26-14     | 1753290000 | 1754200000       |
| <b>ZDU 1.5</b>      | TS35 | 300V/10A   | 28-14     | 1775480000 | 1776030000       |
| <b>ZDU 1.5/3AN</b>  | TS35 | 300V/10A   | 28-14     | 1775530000 | 1776060000       |
| <b>ZDU 1.5/4AN</b>  | TS35 | 300V/10A   | 28-14     | 1775580000 | 1776090000       |



ZDUB Tension Clamp Terminals

| Type                 | Rating CSA | Wire Size | Cat. #     | End Plate Cat. #                                      |
|----------------------|------------|-----------|------------|-------------------------------------------------------|
| <b>Direct Mount</b>  | 600V/25A   | 26-12     | 1704350000 | 1704500000 (End Terminal)*<br>1704740000 (End Plate)* |
| <b>SNAP-IN</b>       | 600V/25A   | 26-12     | 1712820000 | 1704750000                                            |
| <b>15mm DIN Rail</b> | 600V/25A   | 28-12     | 1712750000 | 1704750000                                            |

\* i.e. 5 pole assembly consists of 1 x End Terminal (1704500000) + 4 x Terminal (1704350000) + 1 x End Plate (1704740000).



I-Series Insulation Displacement Terminals for 35mm DIN Rail

| Type                           | Rating CSA | Wire Size | Cat. #     | End Plate Cat. # |
|--------------------------------|------------|-----------|------------|------------------|
| <b>IDU 1.5 TE Feed Through</b> | 300V/10A   | 26-16     | 1746630000 | 1746550000       |
| <b>ITR 1.5 TE Disconnect</b>   | 300V/10A   | 26-16     | 1746690000 | 1746590000       |
| <b>ISI 1.5 TE Fuse</b>         | 300V/6.3A  | 28-16     | 1747610000 | 1746590000       |
| <b>IPE 1.5 TE Ground</b>       | 300V/10A   | 28-16     | 1746670000 | 1746570000       |
| <b>IDU 2.5 TE Feed Through</b> | 300V/10A   | 28-14     | 1747130000 | 1746550000       |
| <b>IDU 2.5 TE Disconnect</b>   | 300V/10A   | 28-14     | 1747190000 | 1746590000       |
| <b>IDU 2.5 TE Fuse</b>         | 300V/10A   | 28-14     | 1747290000 | 1746590000       |
| <b>IDU 2.5 TE Ground</b>       | -          | 28-14     | 1747170000 | 1746570000       |

## Circuit Breakers (Supplementary Protection)



### 4201 Series

- narrow width, 12.5mm
- 250V, up to 16A
- 1 and 2 pole versions
- TS35 mount foot with optional TS32 adapter
- CSA, UL approved



### 2210 Series

- 250Vac, 65Vdc rated
- current up to 32A
- 1, 2 and 3 pole versions
- mounts on both TS32 and TS35 DIN rails
- CSA, UL approved



### 91H Series

- up to 600Vac, 32A / 480Vac, 63A
- up to 50Vdc (single pole) / 110Vdc (double pole)
- TS35 mount
- 1, 2 and 3 pole versions
- CSA, UL approved

| A   | 1 pole |        |        | 2 pole |        |        | 3 pole |      |        |
|-----|--------|--------|--------|--------|--------|--------|--------|------|--------|
|     | 2210   | 4201   | 91H    | 2210   | 4201   | 91H    | 2210   | 4201 | 91H    |
| 0.5 | 991105 | 910100 | 992535 | 991205 | 912958 | 992565 | 991305 | n/a  | 992581 |
| 1.0 | 991110 | 910120 | 992536 | 991210 | 912961 | 992566 | 991310 | n/a  | 992582 |
| 5.0 | 991150 | 910180 | n/a    | 991250 | 912967 | n/a    | 991350 | n/a  | n/a    |
| 6   | n/a    | n/a    | 992541 | n/a    | n/a    | 992571 | n/a    | n/a  | 992587 |
| 10  | 992110 | 910190 | 992543 | 992210 | 912968 | 992573 | 992310 | n/a  | 992589 |
| 15  | 992115 | 910200 | n/a    | 992215 | 912969 | n/a    | 992315 | n/a  | n/a    |
| 16  | n/a    | n/a    | 992544 | n/a    | n/a    | 992574 | n/a    | n/a  | 992590 |
| 20  | 992120 | n/a    | 992545 | 992220 | n/a    | 992575 | 992320 | n/a  | 992591 |
| 25  | 992125 | n/a    | 992546 | 992225 | n/a    | 992576 | 992325 | n/a  | 992592 |

Other current ratings available, see Terminal Block catalog for complete offering.  
Consult Weidmüller for new, economical 9926 series.  
TS32 mounting foot for 4201 series; catalog number 910210.

Argentina  
Australia  
Austria  
Bahrain  
Belarus  
Belgium  
Brazil  
Bulgaria  
Canada  
Chile  
China  
Colombia  
Croatia  
Czech Republic  
Denmark  
Estonia  
Finland  
France  
Germany  
Great Britain  
Greece  
Hong Kong  
Hungary  
India  
Indonesia  
Iran  
Ireland  
Israel  
Italy  
Japan  
Korea  
Luxembourg  
Malaysia  
Mexico

Morocco  
Netherlands  
New Zealand  
Norway  
Pakistan  
Peru  
Philippines  
Poland  
Portugal  
Romania  
Russia  
Saudi-Arabia  
Singapore  
Slovakia  
Slovenia  
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Weidmüller is the leading manufacturer of components for electrical connection technology.

We develop, produce and sell a wide spectrum of products from terminal blocks through connectors to relay sockets and I/O sockets for every type of application.

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