

**ZDL 2.5 S/L****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

|            |                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Z-series, Installation multi-tier terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, dark beige, Direct mounting |
| Order No.  | <a href="#">1720780000</a>                                                                                                                   |
| Type       | ZDL 2.5 S/L                                                                                                                                  |
| GTIN (EAN) | 4008190380427                                                                                                                                |
| Qty.       | 50 pc(s).                                                                                                                                    |

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**Technical data****Dimensions and weights**

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 48 mm  | Depth (inches)  | 1.89 inch  |
| Height     | 95 mm  | Height (inches) | 3.74 inch  |
| Width      | 5.1 mm | Width (inches)  | 0.201 inch |
| Net weight | 9.44 g |                 |            |

**Temperatures**

|                                  |                |                                  |     |
|----------------------------------|----------------|----------------------------------|-----|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 |
| Continuous operating temp., max. | 120            |                                  |     |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                     |                                                                                                                     |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | 3-conductor installation terminal, Tension-clamp connection, for plug-in cross-connector, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                                                                                   | Number of levels              | 1   |
| Number of clamping points per level | 2                                                                                                                   | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                                                                                                  | PE connection                 | No  |
| Rail                                | TS 35                                                                                                               | N-function                    | No  |
| PE function                         | No                                                                                                                  | PEN function                  | No  |

**Additional technical data**

|                          |       |                     |                 |
|--------------------------|-------|---------------------|-----------------|
| Explosion-tested version | No    | Installation advice | Direct mounting |
| Open sides               | right | Type of mounting    | Snap-on         |

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 154685-1142891 | Current size D (CSA)          | 10 A   |
| Voltage size D (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

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**Technical data****Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>        |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Connection direction                                                                    | Inclined / angled        |
| Gauge to IEC 60947-1                                                                    | A2                   | Number of connections                                                                   | 2                        |
| Stripping length                                                                        | 8 mm                 | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26                   |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>      |

**General**

|                                         |                 |                                         |        |
|-----------------------------------------|-----------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-1   | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26          |                                         |        |

**Rating data**

|                                 |                     |                                              |         |
|---------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 400 V   |
| Rated current                   | 24 A                | Current at maximum wires                     | 24 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 6 kV                | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| Pollution severity              | 3                   |                                              |         |

**UL rating data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Current size B (UR)                     | 15 A   |
| Current size D (UR)                     | 10 A   | Voltage size B (UR)                     | 300 V  |
| Voltage size D (UR)                     | 300 V  |                                         |        |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001329    | ETIM 7.0    | EC001329    |
| ETIM 8.0    | EC001329    | ECLASS 9.0  | 27-14-11-25 |
| ECLASS 9.1  | 27-14-11-25 | ECLASS 10.0 | 27-14-11-25 |
| ECLASS 11.0 | 27-14-11-25 |             |             |

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Approvals



ROHS Conform

UL File Number Search E60693

**Downloads**

|                                             |                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                            |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                               |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">BPZL Z-INSTA</a>                                                            |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                   |

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## Accessories

## Custom printing



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |                                                           |
|------------|----------------------------|-----------------------------------------------------------|
| Type       | DEK 5/5 MC SDR             | Version                                                   |
| Order No.  | <a href="#">1609810000</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190456597              | Weidmueller, To customer specification                    |
| Qty.       | 200 pc(s).                 |                                                           |

## SAK-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | EW 35                      | Version                  |
| Order No.  | <a href="#">0383560000</a> | Accessories, End bracket |
| GTIN (EAN) | 4008190181314              |                          |
| Qty.       | 50 pc(s).                  |                          |

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | EW 35/SCHA/M3              | Version                  |
| Order No.  | <a href="#">0258660000</a> | Accessories, End bracket |
| GTIN (EAN) | 4008190033477              |                          |
| Qty.       | 20 pc(s).                  |                          |

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## Accessories

## Z-Series



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## General ordering data

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | ZEW 35/2                   | Version               |
| Order No.  | <a href="#">8630740000</a> | Z-series, End bracket |
| GTIN (EAN) | 4032248348916              |                       |
| Qty.       | 20 pc(s).                  |                       |
| Type       | ZEW 35                     | Version               |
| Order No.  | <a href="#">9540000000</a> | Z-series, End bracket |
| GTIN (EAN) | 4008190956264              |                       |
| Qty.       | 20 pc(s).                  |                       |

## Insulated



Bus bar taps with insulation offer finger safety on the one hand. On the other hand, the colored insulation also indicates the respective potential, such as the neutral conductor or PE.

## General ordering data

|            |                            |                                                                                                                     |
|------------|----------------------------|---------------------------------------------------------------------------------------------------------------------|
| Type       | ZB 16K BL                  | Version                                                                                                             |
| Order No.  | <a href="#">0502880000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, blue, Feed-through (bushing)         |
| GTIN (EAN) | 4008190014186              |                                                                                                                     |
| Qty.       | 50 pc(s).                  |                                                                                                                     |
| Type       | ZB 35K SW M6X16            | Version                                                                                                             |
| Order No.  | <a href="#">0502610000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, black, Feed-through (bushing)        |
| GTIN (EAN) | 4008190332587              |                                                                                                                     |
| Qty.       | 20 pc(s).                  |                                                                                                                     |
| Type       | ZB 4G BL                   | Version                                                                                                             |
| Order No.  | <a href="#">0322180000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, blue, Feed-through (bushing)         |
| GTIN (EAN) | 4008190050504              |                                                                                                                     |
| Qty.       | 50 pc(s).                  |                                                                                                                     |
| Type       | ZB 4K GG HENSEL            | Version                                                                                                             |
| Order No.  | <a href="#">1824560000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, Green/yellow, Feed-through (bushing) |
| GTIN (EAN) | 4032248330973              |                                                                                                                     |
| Qty.       | 50 pc(s).                  |                                                                                                                     |

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## Accessories

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | ZB 4/6K BL                 | Version                                                              |
| Order No.  | <a href="#">0565480000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190086831              | yoke, PA, blue, Feed-through (bushing)                               |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | ZB 4/6K GE/GN              | Version                                                              |
| Order No.  | <a href="#">0565460000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190032609              | yoke, PA, Green/yellow, Feed-through (bushing)                       |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | ZB 16K GE/GN               | Version                                                              |
| Order No.  | <a href="#">0502860000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190188795              | yoke, PA, Green/yellow, Feed-through (bushing)                       |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | ZB 16K SW                  | Version                                                              |
| Order No.  | <a href="#">0502810000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190332563              | yoke, PA, black, Feed-through (bushing)                              |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | ZB 4K GE/GN                | Version                                                              |
| Order No.  | <a href="#">0475360000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190188047              | yoke, PA, Green/yellow, Feed-through (bushing)                       |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | ZB 4K SW                   | Version                                                              |
| Order No.  | <a href="#">0475310000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190008406              | yoke, PA, Feed-through (bushing)                                     |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | ZB 35K GE/GN M6X16         | Version                                                              |
| Order No.  | <a href="#">0502660000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190052294              | yoke, PA, Green/yellow, Feed-through (bushing)                       |
| Qty.       | 20 pc(s).                  |                                                                      |

## Uninsulated



Uninsulated bus bar tap-off terminals offer a space-saving option for connecting conductors on a bus bar.

## General ordering data

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | ZB 16 ZKSC                 | Version                                                              |
| Order No.  | <a href="#">0316600000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190145989              | yoke, Feed-through (bushing)                                         |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | ZB 35/M6X16                | Version                                                              |
| Order No.  | <a href="#">0266500000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190102814              | yoke, Feed-through (bushing)                                         |
| Qty.       | 20 pc(s).                  |                                                                      |

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## Accessories

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | ZB 4/6                     | Version                                                              |
| Order No.  | <a href="#">0556700000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190188412              | yoke, Feed-through (bushing)                                         |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | ZB 4                       | Version                                                              |
| Order No.  | <a href="#">0316500000</a> | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping |
| GTIN (EAN) | 4008190061999              | yoke, Feed-through (bushing)                                         |
| Qty.       | 50 pc(s).                  |                                                                      |

## Copper



Of all the metals used, copper has the best electrical conductivity, which results in the highest short-circuit resistance. This makes the copper busbar the most widely used variant.

## General ordering data

|            |                            |                             |
|------------|----------------------------|-----------------------------|
| Type       | SSCH 10X3X1000 CU/SN       | Version                     |
| Order No.  | <a href="#">0348900000</a> | Accessories, Busbar, Copper |
| GTIN (EAN) | 4008190024802              |                             |
| Qty.       | 1 m                        |                             |

## W-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | WEW 35/2                   | Version               |
| Order No.  | <a href="#">1061200000</a> | W-Series, End bracket |
| GTIN (EAN) | 4008190030230              |                       |
| Qty.       | 50 pc(s).                  |                       |
| Type       | WEW 35/1                   | Version               |
| Order No.  | <a href="#">1059000000</a> | W-Series, End bracket |
| GTIN (EAN) | 4008190172282              |                       |
| Qty.       | 50 pc(s).                  |                       |



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## Accessories

2.5 mm<sup>2</sup>


2.5  
mm<sup>2</sup>

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

## General ordering data

|            |                            |                                 |
|------------|----------------------------|---------------------------------|
| Type       | ZQV 2.5N/7 GE              | Version                         |
| Order No.  | <a href="#">1693850000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883683              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | ZQV 2.5N/20 GE             | Version                         |
| Order No.  | <a href="#">1909000000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4032248535613              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | ZQV 2.5N/4 GE              | Version                         |
| Order No.  | <a href="#">1693820000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883652              |                                 |
| Qty.       | 60 pc(s).                  |                                 |
| Type       | ZQV 2.5N/6 GE              | Version                         |
| Order No.  | <a href="#">1693840000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883676              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | ZQV 2.5N/10 GE             | Version                         |
| Order No.  | <a href="#">1693880000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883720              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | ZQV 2.5N/3 GE              | Version                         |
| Order No.  | <a href="#">1693810000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883645              |                                 |
| Qty.       | 60 pc(s).                  |                                 |
| Type       | ZQV 2.5N/5 GE              | Version                         |
| Order No.  | <a href="#">1693830000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883669              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | ZQV 2.5N/8 GE              | Version                         |
| Order No.  | <a href="#">1693860000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883690              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | ZQV 2.5N/9 GE              | Version                         |
| Order No.  | <a href="#">1693870000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883706              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | ZQV 2.5N/2 GE              | Version                         |
| Order No.  | <a href="#">1693800000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883621              |                                 |
| Qty.       | 60 pc(s).                  |                                 |

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## Accessories

|            |                            |                                 |
|------------|----------------------------|---------------------------------|
| Type       | ZQV 2.5N/50 GE             | Version                         |
| Order No.  | <a href="#">1693890000</a> | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883737              |                                 |
| Qty.       | 5 pc(s).                   |                                 |

2.5 mm<sup>2</sup>

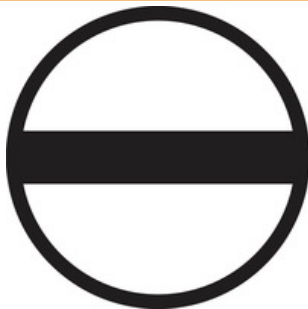
## Building installation wiring

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

## General ordering data

|            |                            |                     |
|------------|----------------------------|---------------------|
| Type       | ZAP ZDL2.5S                | Version             |
| Order No.  | <a href="#">1720900000</a> | Z-series, End plate |
| GTIN (EAN) | 4008190381059              |                     |
| Qty.       | 20 pc(s).                  |                     |

## Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

|            |                            |                                                                     |
|------------|----------------------------|---------------------------------------------------------------------|
| Type       | SDIS SLIM 0.6X3.5X100      | Version                                                             |
| Order No.  | <a href="#">2749610000</a> | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |
| GTIN (EAN) | 4050118896350              | thickness (A): 0.6 mm                                               |
| Qty.       | 1 pc(s).                   |                                                                     |

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