

**Z-series  
ZDK 4S/L/L**

**Weidmüller Interface GmbH & Co. KG**  
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[www.weidmueller.com](http://www.weidmueller.com)

**Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

|            |                                                                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | ZDK 4S/L/L                                                                                                                                          |
| Order No.  | <a href="#">1733290000</a>                                                                                                                          |
| Version    | Z-series, Installation multi-tier terminal, Double-tier terminal, Rated cross-section: 4 mm², Tension clamp connection, Dark Beige, Direct mounting |
| GTIN (EAN) | 4008190979546                                                                                                                                       |
| Qty.       | 50 pc(s).                                                                                                                                           |

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

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 6.1 mm  | Width (inches)  | 0.24 inch  |
| Height     | 122 mm  | Height (inches) | 4.803 inch |
| Depth      | 49.5 mm | Depth (inches)  | 1.949 inch |
| Net weight | 25.22 g |                 |            |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                   |                                                                                                      |                               |     |
|-----------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                           | Tension-clamp connection, L and L connection, for plug-in cross-connector, One end without connector | End cover plate required      | Yes |
| Number of potentials              | 2                                                                                                    | Number of levels              | 2   |
| No. of clamping points per level  | 2                                                                                                    | Number of potentials per tier | 1   |
| Levels cross-connected internally | No                                                                                                   | PE connection                 | No  |
| Mounting 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         |

**Conductors for clamping (rated connection)**

|                                                                                                                                       |                          |                                                                                                           |                     |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                                                                            | 0.6 x 3.5 mm             | Clamping range, rated connection, max.                                                                    | 6 mm <sup>2</sup>   |
| Clamping range, rated connection, min.                                                                                                | 0.13 mm <sup>2</sup>     | Connection direction                                                                                      | Inclined / angled   |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup>      | Gauge to IEC 60947-1                                                                                      | A4                  |
| Number of connections                                                                                                                 | 4                        | Stripping length                                                                                          | 12 mm               |
| Type of connection                                                                                                                    | Tension clamp connection | Wire connection cross section AWG, max.                                                                   | AWG 10              |
| Wire connection cross section AWG, min.                                                                                               | AWG 26                   | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 4 mm <sup>2</sup>   |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                             | 0.5 mm <sup>2</sup>      | Wire connection cross section, finely stranded, max.                                                      | 4 mm <sup>2</sup>   |
| Wire connection cross section, solid core max. rated connection                                                                       | 6 mm <sup>2</sup>        | Wire connection cross section, solid core, min. rated connection                                          | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.         | 4 mm <sup>2</sup>        | Wire connection cross-section, finely stranded, min.                                                      | 0.5 mm <sup>2</sup> |

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**Technical data****Rating data**

|                                 |                   |                                              |       |
|---------------------------------|-------------------|----------------------------------------------|-------|
| Rated cross-section             | 4 mm <sup>2</sup> | Rated voltage                                | 400 V |
| Rated current                   | 32 A              | Current at maximum wires                     | 32 A  |
| Standards                       | IEC 60947-7-1     | Volume resistance according to IEC 60947-7-x | 2 mΩ  |
| Rated impulse withstand voltage | 6 kV              | Pollution severity                           | 3     |

**UL rating data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 10 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Current size C (UR)                     | 33 A   |
| Voltage size C (UR)                     | 300 V  |                                         |        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001329    | ETIM 4.0   | EC001329    |
| ETIM 5.0   | EC001329    | ETIM 6.0   | EC001329    |
| UNSPSC     | 30-21-18-01 | eClass 5.1 | 27-14-11-18 |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-20 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-25 |            |             |

**Product information**

|                                 |                                                                              |
|---------------------------------|------------------------------------------------------------------------------|
| Descriptive text ordering data  | Spacing between mounting plates should be 200mm.                             |
| Descriptive text technical data | The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S). |

**Approvals**

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

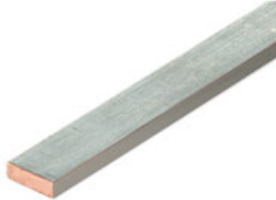
|                                             |                                                     |
|---------------------------------------------|-----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PT1103_20160418_1090_ISSUE01.pdf</a> |
| Engineering Data                            | <a href="#">EPLAN.WSCAD</a>                         |

**Safety note**

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

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**Accessories**
**Bus bars**

**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                       | Order No.                  | Version                                 | GTIN (EAN)        | Qty. |
|----------------------------|----------------------------|-----------------------------------------|-------------------|------|
| SSCH<br>10X3X1000<br>CU/SN | <a href="#">0348900000</a> | Accessories, Busbar,<br>Copper, 1000 mm | 4008190024802 1 m |      |

**Tools**

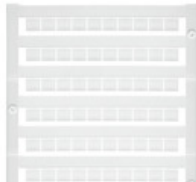

Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.

**General ordering data**

| Type               | Order No.                  | Version                                                                                          | GTIN (EAN)             | Qty. |
|--------------------|----------------------------|--------------------------------------------------------------------------------------------------|------------------------|------|
| SDS<br>0.6X3.5X100 | <a href="#">9008330000</a> | Screwdriver, Blade width<br>(B): 3.5 mm, Blade length:<br>100 mm, Blade thickness<br>(A): 0.6 mm | 4032248056286 1 pc(s). |      |

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**Accessories**
**Blank**


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

**General ordering data**

| Type       | Order No.                  | Version                                               | GTIN (EAN)    | Qty.         |
|------------|----------------------------|-------------------------------------------------------|---------------|--------------|
| DEK 5/6 MC | <a href="#">1609820000</a> | Dekafix, Terminal marker,                             | 4008190203436 | 1,000 pc(s). |
| NE WS      |                            | 5 x 6 mm, Pitch in mm (P):<br>6.00 Weidmueller, White |               |              |

**Blank**


ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

- Hinged marker area
- Can be fitted in strips or individually
- Markers in proven MultiCard format

**General ordering data**

| Type       | Order No.                  | Version                                                           | GTIN (EAN)    | Qty.       |
|------------|----------------------------|-------------------------------------------------------------------|---------------|------------|
| ZS 12/6 MC | <a href="#">1610020000</a> | ZS, Terminal marker, 12 x 6                                       | 4008190444600 | 400 pc(s). |
| NE WS      |                            | mm, Pitch in mm (P): 6.00<br>Weidmueller, Allen-Bradley,<br>White |               |            |

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**Accessories**
**End plates**

**Spring connection with tension clamp Technology**

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**General ordering data**

| Type        | Order No.                  | Version             | GTIN (EAN)    | Qty.      |
|-------------|----------------------------|---------------------|---------------|-----------|
| ZAP ZDK4/6S | <a href="#">1733240000</a> | Z-series, End plate | 4008190972271 | 20 pc(s). |

**ZQV 4**

**Spring connection with tension clamp Technology**

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**General ordering data**

| Type        | Order No.                  | Version                                                        | GTIN (EAN)    | Qty.      |
|-------------|----------------------------|----------------------------------------------------------------|---------------|-----------|
| ZQV 4/10 GE | <a href="#">1609030000</a> | Accessories, Cross-connector, 32 A                             | 4008190263300 | 20 pc(s). |
| ZQV 4/6 GE  | <a href="#">1608990000</a> | Accessories, Cross-connector, 32 A                             | 4008190263263 | 20 pc(s). |
| ZQV 4/4 GE  | <a href="#">1608970000</a> | Accessories, Cross-connector, 32 A                             | 4008190263249 | 60 pc(s). |
| ZQV 4/7 GE  | <a href="#">1609000000</a> | Accessories, Cross-connector, 32 A                             | 4008190263270 | 20 pc(s). |
| ZQV 4/5 GE  | <a href="#">1608980000</a> | Accessories, Cross-connector, 32 A                             | 4008190263256 | 20 pc(s). |
| ZQV 4/8 GE  | <a href="#">1609010000</a> | Accessories, Cross-connector, 32 A                             | 4008190263287 | 20 pc(s). |
| ZQV 4/2 GE  | <a href="#">1608950000</a> | Accessories, Cross-connector, 32 A                             | 4008190263225 | 60 pc(s). |
| ZQV 4/9 GE  | <a href="#">1609020000</a> | Accessories, Cross-connector, 32 A                             | 4008190263294 | 20 pc(s). |
| ZQV 4/3 GE  | <a href="#">1608960000</a> | Accessories, Cross-connector, 32 A                             | 4008190263232 | 60 pc(s). |
| ZQV 4/20 GE | <a href="#">1909010000</a> | Z-series, Cross-connector, For the terminals, No. of poles: 20 | 4032248535637 | 20 pc(s). |

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## Accessories

### Holding plates



#### Building installation wiring

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#### General ordering data

| Type           | Order No.                  | Version                      | GTIN (EAN)    | Qty.      |
|----------------|----------------------------|------------------------------|---------------|-----------|
| ZHP ZDL2.5S BL | <a href="#">1720890000</a> | Z-series, Fixing plate       | 4008190381042 | 20 pc(s). |
| ZHP Z/W BL     | <a href="#">1745180000</a> | Z-series, Intermediate plate | 4008190037123 | 20 pc(s). |

### End brackets



#### Spring connection with tension clamp Technology

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#### General ordering data

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

### Busbar connections



#### 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            | Order No.                  | Version                                             | GTIN (EAN)    | Qty.      |
|-----------------|----------------------------|-----------------------------------------------------|---------------|-----------|
| ZB 35/<br>M6X16 | <a href="#">0266500000</a> | Accessories, Clamping yoke for busbar, Rated cross- | 4008190102814 | 20 pc(s). |

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## Accessories

|                    |                            |                                                                                                                                                     |
|--------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|                    |                            | section: Clamping yoke,<br>Feed-through (bushing)                                                                                                   |
| ZB 4/6             | <a href="#">0556700000</a> | Accessories, Clamping yoke 4008190188412 50 pc(s).<br>for busbar, Rated cross-section: Clamping yoke,<br>Feed-through (bushing)                     |
| ZB 4               | <a href="#">0316500000</a> | Accessories, Clamping yoke 4008190061999 50 pc(s).<br>for busbar, Rated cross-section: Clamping yoke,<br>Feed-through (bushing)                     |
| ZB 4/6K GE/<br>GN  | <a href="#">0565460000</a> | Accessories, Clamping yoke 4008190032609 50 pc(s).<br>for busbar, Rated cross-section: Clamping yoke,<br>PA, green / yellow, Feed-through (bushing) |
| ZB 4K GG<br>HENSEL | <a href="#">1824560000</a> | Accessories, Clamping yoke 4032248330973 50 pc(s).<br>for busbar, Rated cross-section: Clamping yoke,<br>PA, green / yellow, Feed-through (bushing) |
| ZB 4G GN/GE        | <a href="#">0322160000</a> | Accessories, Clamping yoke 4008190014278 50 pc(s).<br>for busbar, Rated cross-section: Clamping yoke,<br>PA, green / yellow, Feed-through (bushing) |
| ZB 16 ZKSC         | <a href="#">0316600000</a> | Accessories, Clamping yoke 4008190145989 50 pc(s).<br>for busbar, Rated cross-section: Clamping yoke,<br>Feed-through (bushing)                     |

## ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

## General ordering data

| Type   | Order No.                  | Version                                                                   | GTIN (EAN)    | Qty.      |
|--------|----------------------------|---------------------------------------------------------------------------|---------------|-----------|
| ZGB 30 | <a href="#">1611930000</a> | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White | 4008190002251 | 20 pc(s). |
| ZGB 15 | <a href="#">1636530000</a> | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 White | 4008190297053 | 20 pc(s). |

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**Accessories**
**End bracket**

**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

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

**End brackets**

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**General ordering data**

| Type     | Order No.                  | Version               | GTIN (EAN)    | Qty.       |
|----------|----------------------------|-----------------------|---------------|------------|
| WEW 35/1 | <a href="#">1059000000</a> | W-Series, End bracket | 4008190172282 | 50 pc(s).  |
| WEW 35/2 | <a href="#">1061200000</a> | W-Series, End bracket | 4008190030230 | 100 pc(s). |