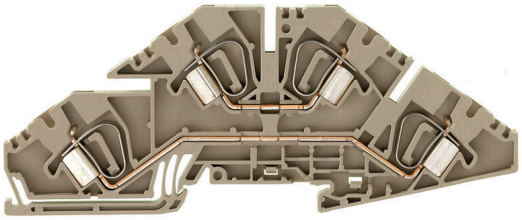
Data sheet

# ZDK 4S/L/L

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

### General ordering data

| | |
|---|---|
| Version | Z-series, Installation multi-tier terminal, Double-tier terminal, Rated cross-section: 4 mm², Tension-clamp connection, dark beige, Direct mounting |
| Order No. | 1733290000 |
| Type | ZDK 4S/L/L |
| GTIN (EAN) | 4008190979546 |
| Qty. | 50 items |
| Delivery status | Discontinued |
| Available until | 2023-03-31T00:00:00+02:00 |
| Alternative product | AITB 4 BB L-L |



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# Data sheet

## ZDK 4S/L/L

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 49.5 mm | Depth (inches) | 1.9488 inch |
| Height | 122 mm | Height (inches) | 4.8031 inch |
| Width | 6.1 mm | Width (inches) | 0.2402 inch |
| Net weight | 22.11 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 | Continuous operating temp., max. | 120 |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

### Material data

| | | | |
|---|---|---|---|
| Basic 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 |
| Number 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

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

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Gauge to IEC 60947-1 | A4 | Wire connection cross section AWG, max. | AWG 10 |
| Connection direction | Inclined / angled | Stripping length | 12 mm |
| Type of connection | Tension-clamp connection | Number of connections | 4 |
| Clamping range, max. | 6 mm² | Clamping range, min. | 0.13 mm² |



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## Technical data

| | | | |
|---|---|---|---|
| Blade size | 0.6 x 3.5 mm | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² |
| Wire connection cross section, finely stranded, max. | 4 mm² | Wire connection cross section, finely stranded, min. | 0.5 mm² |
| Wire connection cross-section, solid core, max. | 6 mm² | Wire connection cross-section, solid core, min. | 0.5 mm² |

### General

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 10 | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 26 | Standards | IEC 60947-7-1 |
| Mounting rail | TS 35 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 4 mm² | Rated voltage | 400 V |
| Rated DC voltage | 400 V | Nominal current | 32 A |
| Current at maximum wires | 32 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ | Rated impulse withstand voltage | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 1.02 W | Pollution severity | 3 |

### UL rating data

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

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC001329 | ETIM 9.0 | EC001329 |
| ETIM 10.0 | EC001329 | ECLASS 14.0 | 27-25-01-10 |
| ECLASS 15.0 | 27-25-01-10 | | |



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# Accessories

## Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

## General ordering data

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



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# Accessories

## End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

### General ordering data

| | | |
|---|---|---|
| Type | ZAP ZDK4/6S | Version |
| Order No. | 1733240000 | Z-series, End plate |
| GTIN (EAN) | 4008190972271 | |
| Qty. | 20 ST | |
| Type | ZHP Z/W BL | Version |
| Order No. | 1745180000 | Z-series, Intermediate plate |
| GTIN (EAN) | 4008190037123 | |
| Qty. | 20 ST | |
| Type | ZHP ZDL2.5S BL | Version |
| Order No. | 1720890000 | Z-series, Fixing plate |
| GTIN (EAN) | 4008190381042 | |
| Qty. | 20 ST | |

## Busbars



With our bus bars in various materials and the associated accessories, you can connect cables in the smallest installation space. Depending on the application, potentials can be collected, distributed or dissipated.

### General ordering data

| | | |
|---|---|---|
| Type | SSCH 10X3X1000 CU/SN | Version |
| Order No. | 0348900000 | Busbar (terminal), silver, Height: 1000 mm, Depth: 3 mm, Copper |
| GTIN (EAN) | 4008190024802 | |
| Qty. | 25 M | |



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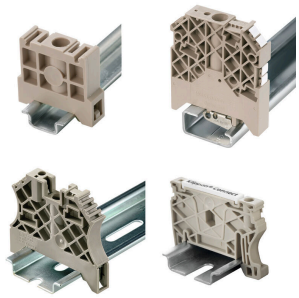
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# Accessories

## End bracket



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. | 0383560000 | End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C |
| GTIN (EAN) | 4008190181314 | |
| Qty. | 50 ST | |
| Type | WEW 35/1 | Version |
| Order No. | 1059000000 | End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C |
| GTIN (EAN) | 4008190172282 | |
| Qty. | 50 ST | |
| Type | WEW 35/2 | Version |
| Order No. | 1061200000 | End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4008190030230 | |
| Qty. | 50 ST | |
| Type | ZEW 35 | Version |
| Order No. | 9540000000 | End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C |
| GTIN (EAN) | 4008190956264 | |
| Qty. | 20 ST | |
| Type | ZEW 35/2 | Version |
| Order No. | 8630740000 | End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248348916 | |
| Qty. | 20 ST | |

## Busbar connections



Weidmueller offers tapping terminals for various types of bus bar systems. Depending on the application, a distinction can be made here between insulated and non-insulated tap-off terminals.

### General ordering data

| | | |
|---|---|---|
| Type | ZB 35/M6X16 | Version |
| Order No. | 0266500000 | Terminal (busbar connection) |
| GTIN (EAN) | 4008190102814 | |
| Qty. | 20 ST | |



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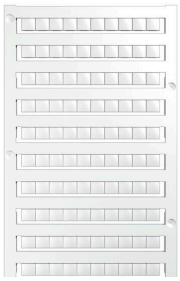
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## Accessories

| | | |
|---|---|---|
| Type | ZB 16 ZKSC | Version |
| Order No. | 0316600000 | Terminal (busbar connection) |
| GTIN (EAN) | 4008190145989 | |
| Qty. | 50 ST | |
| Type | ZB 4K GG HENSEL | Version |
| Order No. | 1824560000 | Terminal (busbar connection) |
| GTIN (EAN) | 4032248330973 | |
| Qty. | 50 ST | |
| Type | ZB 4/6K GE/GN | Version |
| Order No. | 0565460000 | Terminal (busbar connection) |
| GTIN (EAN) | 4008190032609 | |
| Qty. | 50 ST | |
| Type | ZB 4 | Version |
| Order No. | 0316500000 | Terminal (busbar connection) |
| GTIN (EAN) | 4008190061999 | |
| Qty. | 50 ST | |
| Type | ZB 4/6 | Version |
| Order No. | 0556700000 | Terminal (busbar connection) |
| GTIN (EAN) | 4008190188412 | |
| Qty. | 50 ST | |
| Type | ZB 4G GN/GE | Version |
| Order No. | 0322160000 | Terminal (busbar connection) |
| GTIN (EAN) | 4008190014278 | |
| Qty. | 50 ST | |

### 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

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 5/6 MC NE WS | Version |
| Order No. | 1609820000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190203436 | Weidmueller, white |
| Qty. | 1000 ST | |
| Type | ZS 12/6 MC NE WS | Version |
| Order No. | 1610020000 | ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, |
| GTIN (EAN) | 4008190444600 | Allen-Bradley, white |
| Qty. | 400 ST | |



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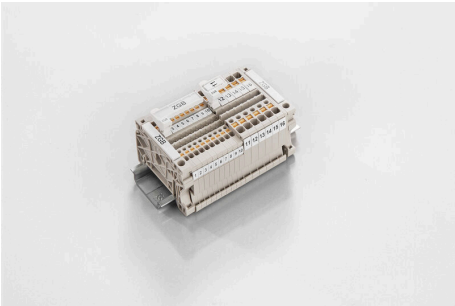
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# Accessories

## ZGB pivotable group tag holder

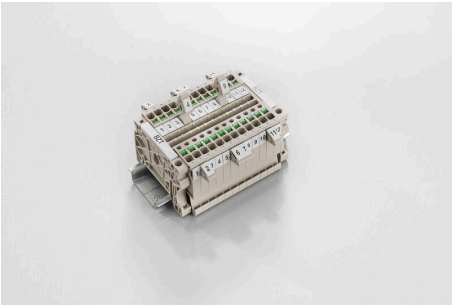


The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.
The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.
Inlay tags and protective strips can be found under "Accessories".

### General ordering data

| | | |
|---|---|---|
| Type | ZGB 15 | Version |
| Order No. | 1636530000 | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190297053 | Weidmueller, white |
| Qty. | 20 ST | |
| Type | ZGB 30 | Version |
| Order No. | 1611930000 | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190002251 | Weidmueller, white |
| Qty. | 20 ST | |

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

### General ordering data

| | | |
|---|---|---|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 ST | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 ST | |



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# Accessories

## DEK 5/6



WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark
• Firm hold and durable printing
• Continuous strips save installation time
• Easy mounting thanks to an innovative composite material
• Large label field for optimal legibility
• High flexibility thanks to manufacturer independence

### General ordering data

| | | |
|---|---|---|
| Type | DEK 5/6 MM WS | Version |
| Order No. | 2007120000 | Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392104 | |
| Qty. | 600 ST | |

## 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. | 2749610000 | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |
| GTIN (EAN) | 4050118896350 | thickness (A): 0.6 mm |
| Qty. | 1 ST | |



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