

ZDK 4-2 PE**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, PE terminal, Rated cross-section: 4 mm ² , Tension-clamp connection, green |
| Order No. | 8671050000 |
| Type | ZDK 4-2 PE |
| GTIN (EAN) | 4032248427369 |
| Qty. | 50 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|------------|---------|
| Depth including DIN rail | 61 mm | Height | 77.6 mm |
| Height (inches) | 3.055 inch | Width | 6.1 mm |
| Width (inches) | 0.24 inch | Net weight | 24.54 g |

Temperatures

| | |
|---------------------|----------------|
| Storage temperature | -25 °C...55 °C |
|---------------------|----------------|

Material data

| | | | |
|----------|-------|--------|--------------|
| Material | Wemid | Colour | Green/yellow |
|----------|-------|--------|--------------|

System specifications

| | | | |
|------------------|---|-----------------------------------|-----|
| Version | Tension-clamp connection, With PE connection, One end without connector | End cover plate required | Yes |
| Number of levels | 2 | Levels cross-connected internally | Yes |
| PE connection | Yes | | |

Additional technical data

| | | | |
|--------------------------|----|------------|-------|
| Explosion-tested version | No | Open sides | right |
|--------------------------|----|------------|-------|

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1236167 | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (rated connection)

| | | | |
|---------------------------------------|--|------|------------------------------|
| Blade size | 0.6 x 3.5 mm | | |
| Clamping range, max. | 6 mm ² | | |
| Clamping range, min. | 0.13 mm ² | | |
| Connection direction | Inclined / angled | | |
| Gauge to IEC 60947-1 | A3 | | |
| Number of connections | 4 | | |
| Stripping length | 10 mm | | |
| Tube length for twin wire-end ferrule | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | | nominal 0.5 mm ² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | | nominal 0.75 mm ² |

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Technical data

| | | | |
|---|--|---------------------|----------------------|
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | Tube length | min. | 8 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | Tube length | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | Tube length | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 2.5 mm ² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 4 mm ² |
| | Tube length | min. | 10 mm |
| | | max. | 12 mm |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| Type of connection | Tension-clamp connection | min. | 10 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| | Tube length | min. | 10 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 2.5 mm ² |
| | Tube length | nominal | 12 mm |
| | | nominal | 4 mm ² |
| | Cross-section for conductor connection | nominal | 4 mm ² |
| | Wire connection cross section, finely stranded, max. | 4 mm ² | |
| | | 0.5 mm ² | |
| | Wire connection cross section, finely stranded, min. | 4 mm ² | |
| | | 0.5 mm ² | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm ² | | |
| | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | | |
| | | | |
| Wire connection cross-section, solid core, max. | 6 mm ² | | |
| | | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |
| | | | |

General

Standards IEC 60947-7-2

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Technical data

Rating data

| | | | |
|--|-------------------|---|---------------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated voltage to adjoining terminal | 800 V | Rated DC voltage | 800 V |
| Rated current | 32 A | Standards | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ | Rated impulse withstand voltage | 8 kV |
| Rated impulse withstand voltage to adjacent terminal | 8 kV | Power loss in accordance with IEC 60947-7-x | 1.02 W |
| 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 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 7.0 | EC000901 | ETIM 8.0 | EC000901 |
| ETIM 9.0 | EC000901 | ECLASS 11.0 | 27-14-11-41 |
| ECLASS 12.0 | 27-14-11-41 | ECLASS 13.0 | 27-25-01-04 |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Declaration of Conformity UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Product Change Notification | PCN_ZPE_Q2_2021 - EN PCN_ZPE_Q2_2021 - DE Product Change Notification ZPE Q1/2022 DE Product Change Notification Q1/2022 EN |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Drawings

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Accessories

Marker holder

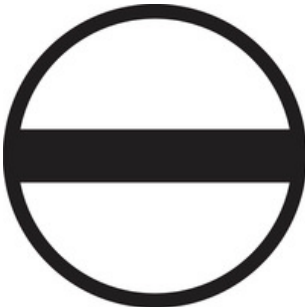


The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found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

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 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. | 2749610000 | 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). | |

ZDK 4-2 PE

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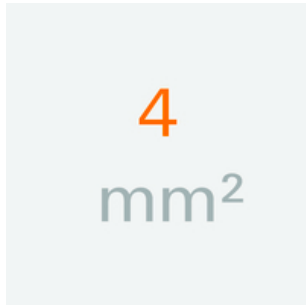
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Accessories

4 mm²

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 4/6 GE | Version |
| Order No. | 1608990000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263263 | |
| Qty. | 20 pc(s). | |
| Type | ZQV 4/8 GE | Version |
| Order No. | 1609010000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263287 | |
| Qty. | 20 pc(s). | |
| Type | ZQV 4/5 GE | Version |
| Order No. | 1608980000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263256 | |
| Qty. | 20 pc(s). | |
| 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 pc(s). | |
| Type | ZQV 4/9 GE | Version |
| Order No. | 1609020000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263294 | |
| Qty. | 20 pc(s). | |
| Type | ZQV 4/2 GE | Version |
| Order No. | 1608950000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263225 | |
| Qty. | 60 pc(s). | |
| Type | ZQV 4/4 GE | Version |
| Order No. | 1608970000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263249 | |
| Qty. | 60 pc(s). | |
| Type | ZQV 4/7 GE | Version |
| Order No. | 1609000000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263270 | |
| Qty. | 20 pc(s). | |
| Type | ZQV 4/10 GE | Version |
| Order No. | 1609030000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263300 | |
| Qty. | 20 pc(s). | |

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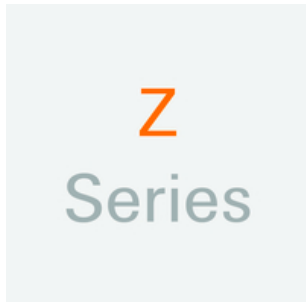
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Accessories

| | | |
|------------|----------------------------|------------------------------------|
| Type | ZQV 4/3 GE | Version |
| Order No. | 1608960000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263232 | |
| Qty. | 60 pc(s). | |

Z-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 | 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 pc(s). | |

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 5/6 MC SDR | Version |
| Order No. | 1609830000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190456603 | Weidmueller, To customer specification |
| Qty. | 200 pc(s). | |

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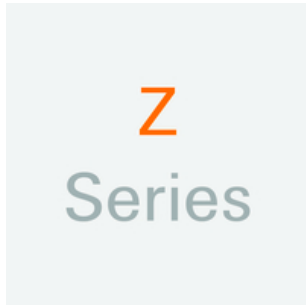
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Accessories

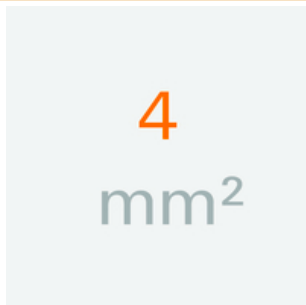
Z-Series



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

| | | |
|------------|----------------------------|-----------------|
| Type | ZAD 1/4 | Version |
| Order No. | 1609110000 | Z-series, Cover |
| GTIN (EAN) | 4008190190910 | |
| Qty. | 20 pc(s). | |

4 mm²

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

| | | |
|------------|----------------------------|---------------------|
| Type | ZAP ZDK 4-2 OR | Version |
| Order No. | 8704430000 | Z-series, End plate |
| GTIN (EAN) | 4032248375394 | |
| Qty. | 50 pc(s). | |

| | | |
|------------|----------------------------|--------------------------------------|
| Type | ZAP/TW ZDK4-2 | Version |
| Order No. | 8670760000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248337415 | |
| Qty. | 50 pc(s). | |

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www.weidmueller.com**Accessories****Z-Series**

Z
Series

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | |
|------------|----------------------------|-----------------------------------|
| Type | ZTA 6/ZA | Version |
| Order No. | 1780660000 | Accessories, Test adapter, 17.5 A |
| GTIN (EAN) | 4032248180189 | |
| Qty. | 25 pc(s). | |