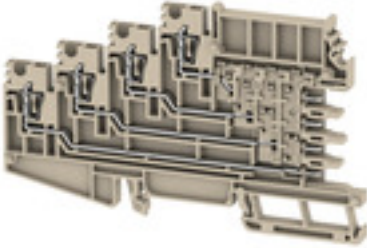


ZRV 2.5/1**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

| | |
|------------|---|
| Version | Z-series, Feed-through terminal, Multi-tier modular terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection |
| Order No. | 1906960000 |
| Type | ZRV 2.5/1 |
| GTIN (EAN) | 4032248530717 |
| Qty. | 50 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 69.5 mm | Depth (inches) | 2.736 inch |
| Depth including DIN rail | 70 mm | Height | 115 mm |
| Height (inches) | 4.528 inch | Width | 5.2 mm |
| Width (inches) | 0.205 inch | Net weight | 22.87 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °C | 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 | 4 tension-clamp connections - 4 plug-in connections, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of potentials | 4 | Number of levels | 4 |
| Number of clamping points per level | 2 | Levels cross-connected internally | No |
| PE connection | No | Rail | TS 35 |

Additional technical data

| | | | |
|--------------------------|----|------------------|---------|
| Explosion-tested version | No | Type of mounting | Snap-on |
|--------------------------|----|------------------|---------|

Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

Conductors for clamping (rated connection)

| | |
|--|---------------------|
| Blade size | 0.6 x 3.5 mm |
| Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.5 mm ² |
| Connection cross-section, stranded, max. | 4 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | top |
| Number of connections | 8 |
| Stripping length | 10 mm |

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Technical data

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

Dimensions

TS 35 offset 59 mm

General

| | | | |
|------|-------|-----------|---|
| Rail | TS 35 | Standards | IEC 61984, In accordance with IEC 60947-7-1 |
|------|-------|-----------|---|

Creation date November 6, 2024 11:00:09 PM CET

Catalogue status 26.10.2024 / We reserve the right to make technical changes.

ZRV 2.5/1

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Technical data

Rating data

| | | | |
|---------------------------------|---|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 250 V |
| Rated DC voltage | 250 V | Rated current | 10 A |
| Standards | IEC 61984, In accordance with IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 4 kV | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 14 AWG |
| Conductor size Factory wiring min. (cURus) | 24 AWG | Conductor size Field wiring max. (cURus) | 14 AWG |
| Conductor size Field wiring min. (cURus) | 24 AWG | Current size B (cURus) | 10 A |
| Current size C (cURus) | 10 A | Voltage size B (cURus) | 300 V |
| Voltage size C (cURus) | 300 V | Wire cross section max. (cURus) | 14 AWG |
| Wire cross section min. (cURus) | 24 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-02 |
| ECLASS 14.0 | 27-25-01-02 | | |

Environmental Product Compliance

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

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

ZRV 2.5/1

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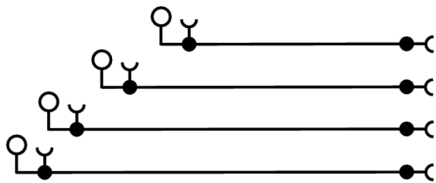
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Drawings



ZRV 2.5/1

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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). | |

Plug housing



Our plug housings provides the possibility of individual configurations of plugs. Crimp contacts on the wires are used as plug contact for a safe connection to the terminal block.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | STGH ZRV2.5 | Version |
| Order No. | 1907000000 | Z-series, Plug housing, 5.15 mm, dark beige, dark beige, Direct |
| GTIN (EAN) | 4032248530762 | mounting |
| Qty. | 50 pc(s). | |
| Type | STGH O.ZA/O.R/SW ZRV2.5 | Version |
| Order No. | 1898430000 | Z-series, Plug housing, 5.15 mm, black, black, Plug |
| GTIN (EAN) | 4032248517626 | |
| Qty. | 25 pc(s). | |
| Type | BST 4 ZRV2.5 | Version |
| Order No. | 1906990000 | Z-series, Blind plug, 20.8 mm, dark beige |
| GTIN (EAN) | 4032248530755 | |
| Qty. | 25 pc(s). | |
| Type | STGH O.ZA ZRV2.5 | Version |
| Order No. | 1907010000 | Z-series, Plug housing, 5.15 mm, dark beige, dark beige, Direct |
| GTIN (EAN) | 4032248530779 | mounting |
| Qty. | 50 pc(s). | |

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www.weidmueller.com**Accessories**

| | | |
|------------|----------------------------|--|
| Type | STGH O.R/SW ZRV2.5 | Version |
| Order No. | 1898420000 | Z-series, Plug housing, 5.15 mm, black, black, Direct mounting |
| GTIN (EAN) | 4032248517619 | |
| Qty. | 25 pc(s). | |

2.5 mm²

2.5
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 | AP ZRV2.5 | Version |
| Order No. | 1906980000 | Z-series, End plate, 5.1 mm, dark beige, dark beige, Direct mounting |
| GTIN (EAN) | 4032248530748 | |
| Qty. | 10 pc(s). | |

Contact removal tools

Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

General ordering data

| | | |
|------------|----------------------------|-------------------------|
| Type | REMOVAL TOOL AFK | Version |
| Order No. | 1866760000 | Z-series, Mounting tool |
| GTIN (EAN) | 4032248438877 | |
| Qty. | 1 pc(s). | |

ZRV 2.5/1

Weidmüller Interface GmbH & Co. KG

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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.

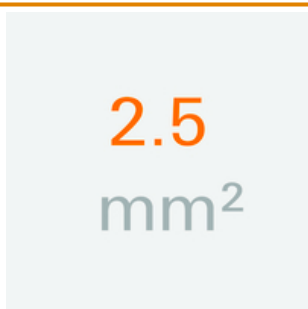
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- 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

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 NE WS | Version |
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |

2.5 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 2.5/10 | Version |
| Order No. | 1608940000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190099060 | |
| Qty. | 20 pc(s). | |

| | | |
|------------|----------------------------|------------------------------------|
| Type | ZQV 2.5/4 | Version |
| Order No. | 1608880000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190082208 | |
| Qty. | 60 pc(s). | |

| | | |
|------------|----------------------------|------------------------------------|
| Type | ZQV 2.5/5 | Version |
| Order No. | 1608890000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190065713 | |
| Qty. | 20 pc(s). | |

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Accessories

| | | |
|------------|----------------------------|---|
| Type | ZQV 2.5/20 | Version |
| Order No. | 1908960000 | Z-series, Cross-connector, For the terminals, Number of poles: 20 |
| GTIN (EAN) | 4032248535293 | |
| Qty. | 20 pc(s). | |
| Type | ZQV 2.5/50 | Version |
| Order No. | 1697540000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883256 | |
| Qty. | 10 pc(s). | |
| Type | ZQV 2.5/2 | Version |
| Order No. | 1608860000 | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190123680 | |
| Qty. | 60 pc(s). | |
| Type | ZQV 2.5/8 | Version |
| Order No. | 1608920000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190061531 | |
| Qty. | 20 pc(s). | |
| Type | ZQV 2.5/3 | Version |
| Order No. | 1608870000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190061630 | |
| Qty. | 60 pc(s). | |
| Type | ZQV 2.5/6 | Version |
| Order No. | 1608900000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190149840 | |
| Qty. | 20 pc(s). | |
| Type | ZQV 2.5/7 | Version |
| Order No. | 1608910000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190159665 | |
| Qty. | 20 pc(s). | |
| Type | ZQV 2.5/9 | Version |
| Order No. | 1608930000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190117009 | |
| Qty. | 20 pc(s). | |

Miscellaneous



We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

General ordering data

| | | | |
|------------|----------------------------|---|-----------|
| Type | FEKO ZRV2.5 0.2-0.35 | Version | Packaging |
| Order No. | 1854750000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting | Multipack |
| GTIN (EAN) | 4032248401321 | | bag |
| Qty. | 5,000 pc(s). | | |

Creation date November 6, 2024 11:00:09 PM CET

Catalogue status 26.10.2024 / We reserve the right to make technical changes.

ZRV 2.5/1

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Accessories

| | | | |
|------------|----------------------------|---|-----------|
| Type | FEKO ET ZRV2.5 0.5-1 | Version | Packaging |
| Order No. | 1893970000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting | Multipack |
| GTIN (EAN) | 4032248508198 | | bag |
| Qty. | 500 pc(s). | | |
| Type | FEKO ZRV2.5 0.5-1 | Version | Packaging |
| Order No. | 1854760000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting | Multipack |
| GTIN (EAN) | 4032248401314 | | bag |
| Qty. | 5,000 pc(s). | | |
| Type | FEKO ZRV2.5 1.5-2.5 | Version | Packaging |
| Order No. | 1848480000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting | Multipack |
| GTIN (EAN) | 4032248390649 | | bag |
| Qty. | 4,200 pc(s). | | |
| Type | FEKO ET ZRV2.5 1.5-2.5 | Version | Packaging |
| Order No. | 1893990000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting | Multipack |
| GTIN (EAN) | 4032248508211 | | bag |
| Qty. | 500 pc(s). | | |

WS 12/5



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 | WS 12/5 MM WS | Version |
| Order No. | 2007190000 | WS, Terminal marker, 12 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392036 | |
| Qty. | 800 pc(s). | |

ZRV 2.5/1

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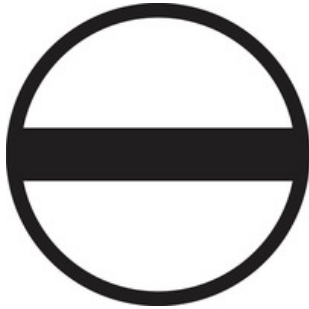
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Accessories

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). | |

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

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

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 | WS 12/5 MC NE WS | Version |
| Order No. | 1609860000 | WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190203481 | Allen-Bradley, white |
| Qty. | 720 pc(s). | |

ZRV 2.5/1

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Accessories

... for Weidmüller DFF and ZRV contacts

**Crimping tools for for turned/stamped contact**

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | HTF AFK 2.5 | Version |
| Order No. | 9201040000 | Pressing tool, Crimping tool for contacts, 0.2mm², 2.5mm², B-Crimp |
| GTIN (EAN) | 4032248419678 | |
| Qty. | 1 pc(s). | |