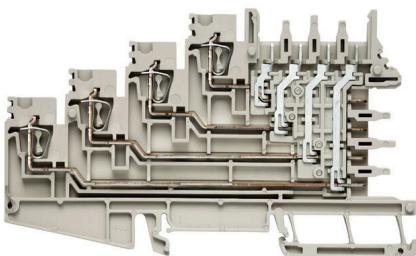


ZRV 2.5/2

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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, dark beige |
| Order No. | 1906970000 |
| Type | ZRV 2.5/2 |
| GTIN (EAN) | 4032248530731 |
| Qty. | 50 items |

ZRV 2.5/2

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Germany

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Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 69.5 mm | Depth (inches) | 2.7362 inch |
| Depth including DIN rail | 70 mm | Height | 115 mm |
| Height (inches) | 4.5275 inch | Width | 5.2 mm |
| Width (inches) | 0.2047 inch | Net weight | 27.81 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

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 | 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 | Mounting rail | TS 35 |

Additional technical data

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

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 14 AWG | Certificate No. (CSA) | 200039-1787465 |
| Voltage size B (CSA) | 300 V | Current size B (CSA) | 10 A |
| Voltage size D (CSA) | 300 V | Current size D (CSA) | 10 A |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

| | |
|--|--------------------------|
| Connection type, additional connection | Tension-clamp connection |
|--|--------------------------|

Technical data

Conductors for clamping (rated connection)

| | | | |
|---|--|---------|----------------------|
| Gauge to IEC 60947-1 | A2 | | |
| Wire connection cross section AWG, max. | AWG 12 | | |
| Connection direction | on side, top | | |
| Stripping length | 10 mm | | |
| Type of connection 2 | Tension-clamp connection | | |
| Type of connection | Tension-clamp connection | | |
| Number of connections | 16 | | |
| Clamping range, max. | 4 mm ² | | |
| Clamping range, min. | 0.21 mm ² | | |
| Blade size | 0.6 x 3.5 mm | | |
| Wire connection cross section AWG, min. | AWG 30 | | |
| 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. | 0.21 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. | 0.21 mm ² | | |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.21 mm ² | | |
| Connection cross-section, stranded, max. | 4 mm ² | | |
| Connection cross-section, stranded, min. 0.21 mm ² | | | |
| Twin wire-end ferrules, max. | 1.5 mm ² | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.21 mm ² | | |
| Connection cross-section, finely stranded, min. | 0.21 mm ² | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | min. | 6 mm |
| | Tube length | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | Tube length | min. | 6 mm |
| | Tube length | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | Tube length | min. | 6 mm |
| | Tube length | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | Tube length | min. | 8 mm |
| | Tube length | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| | Tube length | min. | 8 mm |
| | Tube length | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 2.5 mm ² |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | Tube length | nominal | 10 mm |

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Technical data

| | | |
|--|---------|----------------------|
| 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 |
| Tube length | min. | 10 mm |
| | max. | 12 mm |
| Cross-section for conductor connection | nominal | 2.5 mm ² |

Dimensions

TS 35 offset 60.5 mm

General

| | | | |
|---|---|---|--------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 30 |
| Standards | IEC 61984, In accordance with IEC 60947-7-1 | Mounting rail | TS 35 |

Rating data

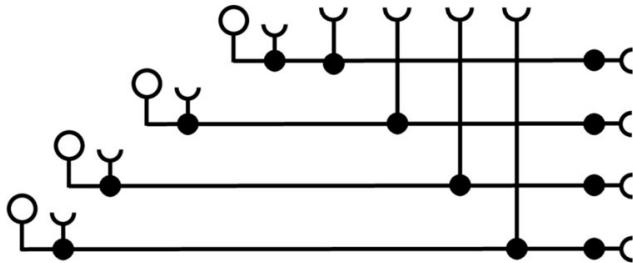
| | | | |
|--|---------------------|---------------------------------|---|
| Rated cross-section | 2.5 mm ² | Rated voltage | 250 V |
| Rated DC voltage | 250 V | Nominal current | 10 A |
| Current at maximum wires | 10 A | Standards | IEC 61984, In accordance with IEC 60947-7-1 |
| Volume resistance 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

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-02 |
| ECLASS 15.0 | 27-25-01-02 | | |

Drawings

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 2.5/2 | Version |
| Order No. | 1608860000 | Z-series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190123680 | |
| Qty. | 60 ST | |
| Type | ZQV 2.5/3 | Version |
| Order No. | 1608870000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190061630 | |
| Qty. | 60 ST | |
| Type | ZQV 2.5/4 | Version |
| Order No. | 1608880000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190082208 | |
| Qty. | 60 ST | |
| Type | ZQV 2.5/5 | Version |
| Order No. | 1608890000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190065713 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5/6 | Version |
| Order No. | 1608900000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190149840 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5/7 | Version |
| Order No. | 1608910000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190159665 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5/8 | Version |
| Order No. | 1608920000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190061531 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5/9 | Version |
| Order No. | 1608930000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190117009 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5/10 | Version |
| Order No. | 1608940000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190099060 | |
| Qty. | 20 ST | |
| 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 ST | |

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Accessories

| | | |
|------------|----------------------------|------------------------------------|
| Type | ZQV 2.5/50 | Version |
| Order No. | 1697540000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883256 | |
| Qty. | 10 ST | |

Mounting support



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 1.5-2.5 | Version |
| Order No. | 1848480000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting |
| GTIN (EAN) | 4032248390649 | |
| Qty. | 4200 ST | |
| Type | FEKO ZRV2.5 0.5-1 | Version |
| Order No. | 1854760000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting |
| GTIN (EAN) | 4032248401314 | |
| Qty. | 5000 ST | |
| Type | FEKO ET ZRV2.5 1.5-2.5 | Version |
| Order No. | 1893990000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting |
| GTIN (EAN) | 4032248508211 | |
| Qty. | 500 ST | |
| Type | FEKO ET ZRV2.5 0.5-1 | Version |
| Order No. | 1893970000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting |
| GTIN (EAN) | 4032248508198 | |
| Qty. | 500 ST | |
| Type | FEKO ZRV2.5 0.2-0.35 | Version |
| Order No. | 1854750000 | Z-series, Crimp contact, 4.15 mm, silver, Direct mounting |
| GTIN (EAN) | 4032248401321 | |
| Qty. | 5000 ST | |

Plugs



The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

ZRV 2.5/2

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Accessories

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 ST | |
| 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 ST | |
| 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 ST | |
| 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 ST | |
| Type | BST 4 ZRV2.5 | Version |
| Order No. | 1906990000 | Z-series, Blind plug, 20.8 mm, dark beige |
| GTIN (EAN) | 4032248530755 | |
| Qty. | 25 ST | |

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 | 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 ST | |

Plugs



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ZRV 2.5/2

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Accessories

General ordering data

| | | |
|------------|----------------------------|--|
| Type | ZE ZRV2.5 | Version |
| Order No. | 2318670000 | Z-series, Strain relief, 5 mm, black, black, Direct mounting |
| GTIN (EAN) | 4032248546640 | |
| Qty. | 25 ST | |

Contact removal tools

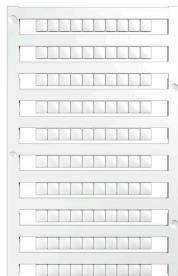


Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

General ordering data

| | | |
|------------|----------------------------|-------------------------|
| Type | REMOVAL TOOL AFK | Version |
| Order No. | 1866760000 | Z-series, Mounting tool |
| GTIN (EAN) | 4032248438877 | |
| Qty. | 1 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 5/5 MC NE WS | Version |
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | Weidmüller, white |
| Qty. | 1000 ST | |
| Type | WS 12/5 MC NE WS | Version |
| Order No. | 1609860000 | WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmüller, |
| GTIN (EAN) | 4008190203481 | Allen-Bradley, white |
| Qty. | 720 ST | |

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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 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 | |

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

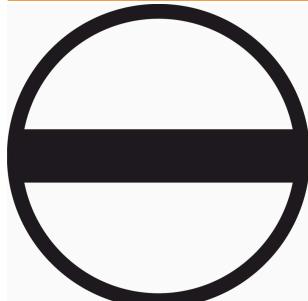
- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

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 ST | |

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 ST | |

... 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, 0.2mm ² , 2.5mm ² , B-Crimp |
| GTIN (EAN) | 4032248419678 | |
| Qty. | 1 ST | |