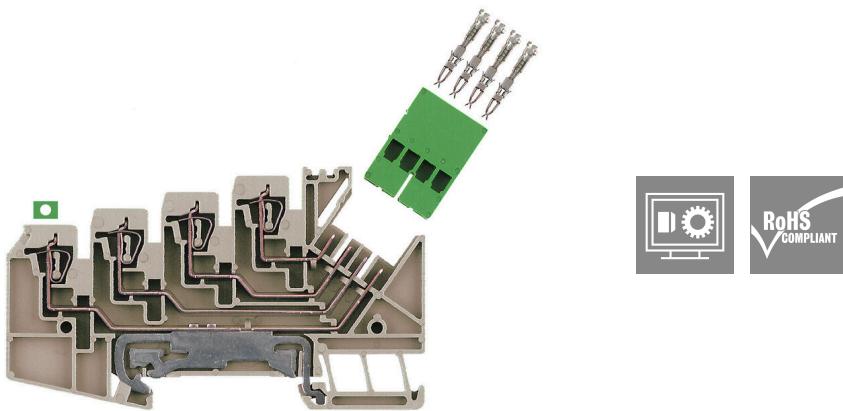


**ZRV 1.5/PE**

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

[www.weidmueller.com](http://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: 1.5 mm <sup>2</sup> , Tension-clamp connection, dark beige |
| Order No.  | <a href="#">1698170000</a>  |
| Type       | ZRV 1.5/PE  |
| GTIN (EAN) | 4008190890735   |
| Qty.       | 50 items  |

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## Technical data

## Approvals

## Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E60693                     |

## Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 52 mm       | Depth (inches) | 2.0472 inch |
| Depth including DIN rail | 52.5 mm     | Height         | 89.5 mm     |
| Height (inches)          | 3.5236 inch | Width          | 5.1 mm      |
| Width (inches)           | 0.2008 inch | Net weight     | 16.14 g     |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °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, With PE connection, for plug-in cross-connector, One end without connector | End cover plate required            | Yes |
| Number of levels                  | 4   | Number of clamping points per level | 2   |
| Levels cross-connected internally | Yes   | PE connection                       | Yes |
| Mounting rail                     | TS 35   | PEN function                        | No  |

## Additional technical data

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

## Conductors for clamping (additional connection)

|   |                     |  |           |
|---|---------------------|--|-----------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1.5 mm <sup>2</sup> | Connection type, additional connection | pluggable |
|---|---------------------|--|-----------|

## Technical data

## Conductors for clamping (rated connection)

|   |                          |   |                      |
|---|--------------------------|---|----------------------|
| Gauge to IEC 60947-1  | A1                       | Wire connection cross section AWG, max.   | AWG 14               |
| Connection direction  | top                      | Stripping length  | 8 mm                 |
| Type of connection  | Tension-clamp connection | Number of connections   | 8                    |
| Clamping range, max.  | 2.5 mm <sup>2</sup>      | Clamping range, min.  | 0.13 mm <sup>2</sup> |
| 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. | 1.5 mm <sup>2</sup>      | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm <sup>2</sup>      | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>      | Wire connection cross section, finely stranded, min.                                    | 0.13 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 1.5 mm <sup>2</sup>      | Connection cross-section, stranded, min.  | 0.13 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 2.5 mm <sup>2</sup>      | Wire connection cross-section, solid core, min.   | 0.13 mm <sup>2</sup> |

## Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 39 mm |
|--------------|-------|

## General

|   |   |   |        |
|---|---|---|--------|
| Wire connection cross section AWG, max. | AWG 14                                      | Wire connection cross section AWG, min. | AWG 26 |
| Standards                               | IEC 61984, In accordance with IEC 60947-7-1 | Mounting rail                           | TS 35  |

## Rating data

|  |                     |   |   |
|--|---------------------|---|---|
| Rated cross-section                                  | 1.5 mm <sup>2</sup> | Rated voltage                               | 63 V  |
| Rated voltage to adjoining terminal                  | 63 V                | Rated DC voltage                            | 63 V  |
| Nominal current                                      | 4 A                 | Standards                                   | IEC 61984, In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x         | 1.83 mΩ             | Rated impulse withstand voltage             | 1.5 kV                                      |
| Rated impulse withstand voltage to adjacent terminal | 1.5 kV              | Power loss in accordance with IEC 60947-7-x | 0.56 W                                      |
| Pollution severity                                   | 3                   |   |   |

## UL rating data

|   |        |   |        |
|---|--------|---|--------|
| Conductor size Factory wiring max. (UR) | 14 AWG | Current size C (UR)                     | 10 A   |
| Voltage size C (UR)                     | 150 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)   | 14 AWG |   |        |

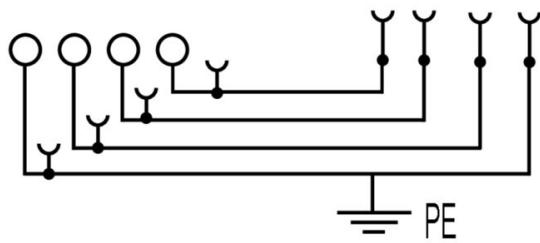
## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000901    | ETIM 9.0    | EC000901    |
| ETIM 10.0   | EC000901    | ECLASS 14.0 | 27-25-01-04 |
| ECLASS 15.0 | 27-25-01-04 |             |             |

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**Drawings**

## ZRV 1.5/PE

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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 2.5/2                  | Version   |
| Order No.  | <a href="#">1608860000</a> | Z-series, Cross-connector, 24 A                                   |
| GTIN (EAN) | 4008190123680              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 2.5/3                  | Version   |
| Order No.  | <a href="#">1608870000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190061630              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 2.5/4                  | Version   |
| Order No.  | <a href="#">1608880000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190082208              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 2.5/5                  | Version   |
| Order No.  | <a href="#">1608890000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190065713              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/6                  | Version   |
| Order No.  | <a href="#">1608900000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190149840              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/7                  | Version   |
| Order No.  | <a href="#">1608910000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190159665              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/8                  | Version   |
| Order No.  | <a href="#">1608920000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190061531              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/9                  | Version   |
| Order No.  | <a href="#">1608930000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190117009              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/10                 | Version   |
| Order No.  | <a href="#">1608940000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190099060              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/20                 | Version   |
| Order No.  | <a href="#">1908960000</a> | 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.  | <a href="#">1697540000</a> | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883256              |                                    |
| Qty.       | 10 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.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | STGH 4 ZRV1.5              | Version   |
| Order No.  | <a href="#">1698190000</a> | Z-series, Plug-in connector, Rated cross-section: 1.5 mm <sup>2</sup> , Plug-in |
| GTIN (EAN) | 4008190886448              | connection, dark beige, Plug  |
| Qty.       | 50 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 DFF                    | Version  |
| Order No.  | <a href="#">9014140000</a> | Pressing tool, Crimping tool for contacts, 0.22mm <sup>2</sup> , 2.5mm <sup>2</sup> , B-Crimp  |
| GTIN (EAN) | 4008190297305              |  |
| Qty.       | 1 ST                       |  |
| Type       | HTF ZRV                    | Version  |
| Order No.  | <a href="#">9014840000</a> | Pressing tool, Crimping tool for contacts, 0.2mm <sup>2</sup> , 1mm <sup>2</sup> , FoderBcrimp |
| GTIN (EAN) | 4008190949969              |  |
| Qty.       | 1 ST                       |  |

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## Accessories

## 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       | DFFC 0.2-0.35 ZRV1.5       | Version  |
| Order No.  | <a href="#">1705310000</a> | Crimp contact (terminal), 0.35 mm <sup>2</sup> |
| GTIN (EAN) | 4008190948573              |  |
| Qty.       | 500 ST                     |  |
| Type       | DFFC .5-1.0 ZRV1.5         | Version  |
| Order No.  | <a href="#">1705320000</a> | Crimp contact (terminal), 1.5 mm <sup>2</sup>  |
| GTIN (EAN) | 4008190948566              |  |
| Qty.       | 500 ST                     |  |

## 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.  | <a href="#">0383560000</a> | End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C     |
| GTIN (EAN) | 4008190181314              |  |
| Qty.       | 50 ST                      |  |
| Type       | EW 35 GR 7032              | Version  |
| Order No.  | <a href="#">0383530000</a> | End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C        |
| GTIN (EAN) | 4008190027322              |  |
| Qty.       | 50 ST                      |  |
| Type       | EW 35/SCHA/M3              | Version  |
| Order No.  | <a href="#">0258660000</a> | End bracket, beige, TS 35, V-2, Wemid, Width: 16.5 mm, 100 °C    |
| GTIN (EAN) | 4008190033477              |  |
| Qty.       | 20 ST                      |  |
| Type       | WEW 35/1                   | Version  |
| Order No.  | <a href="#">1059000000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C |
| GTIN (EAN) | 4008190172282              |  |
| Qty.       | 50 ST                      |  |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | WEW 35/2                   | Version   |
| Order No.  | <a href="#">1061200000</a> | 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.  | <a href="#">9540000000</a> | 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.  | <a href="#">8630740000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248348916              |   |
| Qty.       | 20 ST                      |   |

## Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

## General ordering data

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDS 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 ST                       |                          |

## Reducing sleeves



The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

## General ordering data

|            |                            |                           |
|------------|----------------------------|---------------------------|
| Type       | ZRH 1.5N/1                 | Version                   |
| Order No.  | <a href="#">1632140000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487355              |                           |
| Qty.       | 1000 ST                    |                           |
| Type       | ZRH 1.5N/2                 | Version                   |
| Order No.  | <a href="#">1632130000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487348              |                           |
| Qty.       | 1000 ST                    |                           |

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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.  | <a href="#">1609801044</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00         |
| GTIN (EAN) | 4008190397111              | Weidmüller, white   |
| Qty.       | 1000 ST                    |   |
| Type       | WS 8/5 MC NE WS            | Version   |
| Order No.  | <a href="#">1640740000</a> | WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmüller,  |
| GTIN (EAN) | 4008190279103              | Allen-Bradley, white  |
| Qty.       | 720 ST                     |   |
| Type       | ZS 10/5 MC NE WS           | Version   |
| Order No.  | <a href="#">1610000000</a> | ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmüller, |
| GTIN (EAN) | 4008190263171              | Allen-Bradley, white  |
| Qty.       | 480 ST                     |   |

## 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.  | <a href="#">1636530000</a> | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190297053              | Weidmüller, white   |
| Qty.       | 20 ST                      |   |
| Type       | ZGB 30                     | Version   |
| Order No.  | <a href="#">1611930000</a> | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190002251              | Weidmüller, white   |
| Qty.       | 20 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.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 ST                     |                            |
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 ST                     |                            |

## WS 8/5



## 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 8/5 MM WS               | Version   |
| Order No.  | <a href="#">2007150000</a> | WS, Terminal marker, 8 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392029              |   |
| Qty.       | 800 ST                     |   |