

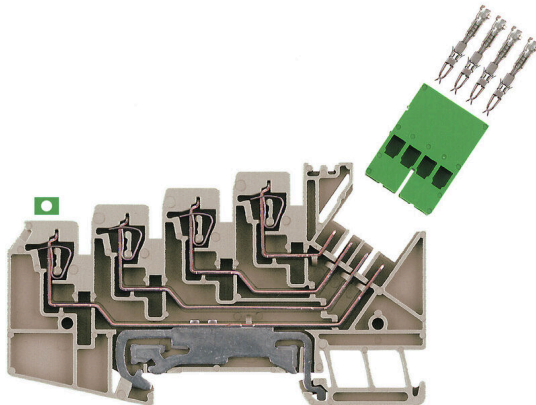
**ZRV 1.5/PE****Weidmüller Interface GmbH & Co. KG**

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: 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

## ZRV 1.5/PE

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## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

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
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## 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
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## 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		

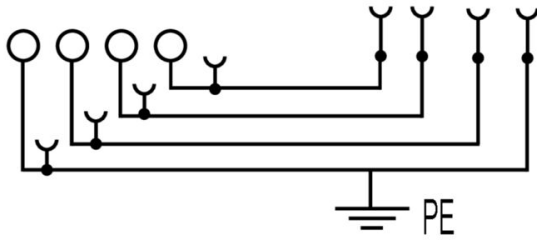
## UL rating data

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		

**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 connection, dark beige, Plug	
GTIN (EAN)	4008190886448		
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

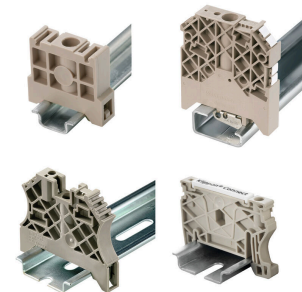


We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards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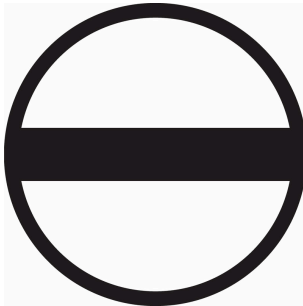
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## Accessories

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

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## 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.

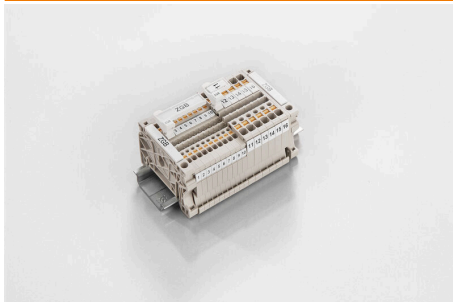
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- 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	Weidmueller, 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 Weidmueller,
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 Weidmueller,
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	Weidmueller, 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	Weidmueller, white
Qty.	20 ST	

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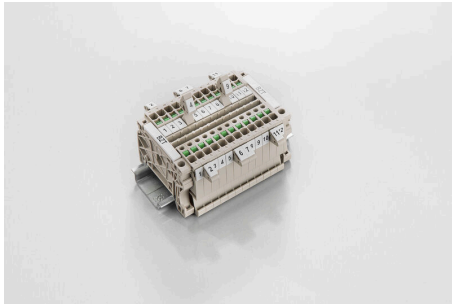
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## Accessories

## Marker holder

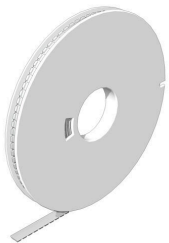


The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found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