

**ZNT 2.5 S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

Version	Z-series, Installation multi-tier terminal, Neutral conductor modular terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, blue, Direct mounting
Order No.	<a href="#">1808300000</a>
Type	ZNT 2.5 S
GTIN (EAN)	4032248280537
Qty.	100 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2023-03-31
Alternative product	<a href="#">2668690000</a>

Creation date March 12, 2024 3:34:55 PM CET

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**Technical data****Dimensions and weights**

Depth	43.15 mm	Depth (inches)	1.699 inch
Height	62.5 mm	Height (inches)	2.461 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	8.18 g		

**Temperatures**

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

**Material data**

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

**System specifications**

Version	Tension-clamp connection, with busbar connection 10x3, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	1	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	Yes
PE function	No	PEN function	No

**Additional technical data**

Explosion-tested version	No	Installation advice	Direct mounting
Open sides	right	Type of mounting	Snap-on

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A2	Number of connections	1
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

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**Technical data****General**

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 26		

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	250 V
Rated DC voltage	250 V	Rated current	24 A
Current at maximum wires	24 A	Standards	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

**Classifications**

ETIM 6.0	EC001329	ETIM 7.0	EC001329
ETIM 8.0	EC001329	ETIM 9.0	EC001329
ECLASS 9.0	27-14-11-25	ECLASS 9.1	27-14-11-25
ECLASS 10.0	27-14-11-25	ECLASS 11.0	27-14-11-25
ECLASS 12.0	27-14-11-25	ECLASS 13.0	27-25-01-10

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Operating instructions_ZDU1.5-ZDU35_ZQV.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">User Manual Z-INSTA</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

**ZNT 2.5 S**

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**Drawings**



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**Accessories**

**Uninsulated**



Uninsulated bus bar tap-off terminals offer a space-saving option for connecting conductors on a bus bar.

**General ordering data**

Type	ZB 16 ZKSC	Version
Order No.	<a href="#">031660000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190145989	yoke, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 35/M6X16	Version
Order No.	<a href="#">026650000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190102814	yoke, Feed-through (bushing)
Qty.	20 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 10/5 M MC NE WS	Version
Order No.	<a href="#">179200000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248223862	Allen-Bradley, white
Qty.	720 pc(s).	

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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.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

**Copper**



Of all the metals used, copper has the best electrical conductivity, which results in the highest short-circuit resistance. This makes the copper busbar the most widely used variant.

**General ordering data**

Type	SSCH 10X3X1000 CU/SN	Version
Order No.	<a href="#">0348900000</a>	Accessories, Busbar, Copper
GTIN (EAN)	4008190024802	
Qty.	1 m	

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# Accessories

## 2.5 mm<sup>2</sup>

### Building installation wiring

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### General ordering data

Type	ZAP ZDU 2.5 S OR	Version
Order No.	<a href="#">1808050000</a>	Z-series, End plate
GTIN (EAN)	4032248279951	
Qty.	20 pc(s).	
Type	ZAP ZDU 2.5 S	Version
Order No.	<a href="#">1808030000</a>	Z-series, End plate
GTIN (EAN)	4032248279937	
Qty.	20 pc(s).	
Type	ZAP ZDU 2.5 S BL	Version
Order No.	<a href="#">1808040000</a>	Z-series, End plate
GTIN (EAN)	4032248279944	
Qty.	20 pc(s).	

## 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.	1,000 pc(s).	

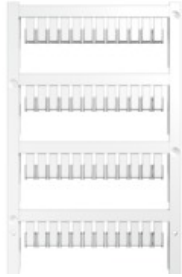
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**Accessories**

**Blank**



ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

- Hinged marker area
- 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	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 pc(s).	

**W-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	WEW 35/1	Version
Order No.	<a href="#">1059000000</a>	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	
Type	WEW 35/2	Version
Order No.	<a href="#">1061200000</a>	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	



## ZNT 2.5 S

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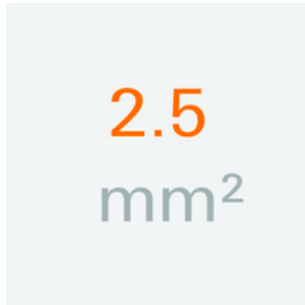
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## Accessories

2.5 mm<sup>2</sup>

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 2.5/8	Version
Order No.	<a href="#">1608920000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061531	
Qty.	20 pc(s).	
Type	ZQV 2.5/4	Version
Order No.	<a href="#">1608880000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190082208	
Qty.	60 pc(s).	
Type	ZQV 2.5/3	Version
Order No.	<a href="#">1608870000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061630	
Qty.	60 pc(s).	
Type	ZQV 2.5/2	Version
Order No.	<a href="#">1608860000</a>	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190123680	
Qty.	60 pc(s).	
Type	ZQV 2.5/10	Version
Order No.	<a href="#">1608940000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190099060	
Qty.	20 pc(s).	
Type	ZQV 2.5/6	Version
Order No.	<a href="#">1608900000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190149840	
Qty.	20 pc(s).	
Type	ZQV 2.5/7	Version
Order No.	<a href="#">1608910000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190159665	
Qty.	20 pc(s).	
Type	ZQV 2.5/50	Version
Order No.	<a href="#">1697540000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190883256	
Qty.	10 pc(s).	
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 pc(s).	
Type	ZQV 2.5/9	Version
Order No.	<a href="#">1608930000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190117009	
Qty.	20 pc(s).	

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Type	ZQV 2.5/5	Version
Order No.	<a href="#">1608890000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190065713	
Qty.	20 pc(s).	

**SAK-Series**


**SAK**  
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	EW 35 GR 7032	Version
Order No.	<a href="#">0383530000</a>	Accessories, End bracket
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	
Type	EW 35	Version
Order No.	<a href="#">0383560000</a>	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	
Type	EW 35/SCHA/M3	Version
Order No.	<a href="#">0258660000</a>	Accessories, End bracket
GTIN (EAN)	4008190033477	
Qty.	20 pc(s).	

**Z-Series**


**Z**  
Series

**Building installation wiring**

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**General ordering data**

Type	ZHP S	Version
Order No.	<a href="#">1808290000</a>	Z-series, Fixing plate
GTIN (EAN)	4032248280520	
Qty.	20 pc(s).	

**Data sheet**

**ZNT 2.5 S**

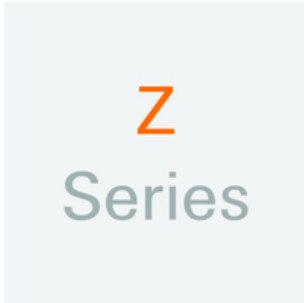
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**Accessories**

Type	ZHP S SO	Version
Order No.	<a href="#">1808280000</a>	Z-series, Fixing plate
GTIN (EAN)	4032248280513	
Qty.	20 pc(s).	

**Z-Series**



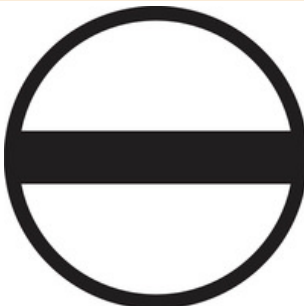
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

Type	ZEW 35	Version
Order No.	<a href="#">9540000000</a>	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	

Type	ZEW 35/2	Version
Order No.	<a href="#">8630740000</a>	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 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.	<a href="#">2749610000</a>	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4050118896350	
Qty.	1 pc(s).	

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## Accessories

## Insulated



Bus bar taps with insulation offer finger safety on the one hand. On the other hand, the colored insulation also indicates the respective potential, such as the neutral conductor or PE.

## General ordering data

Type	ZB 35K GE/GN M6X16	Version
Order No.	<a href="#">0502660000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190052294	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	20 pc(s).	
Type	ZB 16K BL	Version
Order No.	<a href="#">0502880000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190014186	yoke, PA, blue, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 35K BL M6X16	Version
Order No.	<a href="#">0502680000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: 35 mm <sup>2</sup> ,
GTIN (EAN)	4008190004385	Clamping yoke, PA, blue, Feed-through (bushing)
Qty.	20 pc(s).	
Type	ZB 16K SW	Version
Order No.	<a href="#">0502810000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190332563	yoke, PA, black, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 16K GE/GN	Version
Order No.	<a href="#">0502860000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190188795	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 35K SW M6X16	Version
Order No.	<a href="#">0502610000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190332587	yoke, PA, black, Feed-through (bushing)
Qty.	20 pc(s).	