

ZDL 2.5/N/L/PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**General ordering data**

Version	Z-series, Installation multi-tier terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige, Direct mounting
Order No.	1720870000
Type	ZDL 2.5/N/L/PE
GTIN (EAN)	4008190959036
Qty.	50 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2023-03-31
Alternative product	2669020000

Creation date October 11, 2023 8:37:36 AM CEST

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Technical data**Dimensions and weights**

Depth	48 mm	Depth (inches)	1.89 inch
Height	95 mm	Height (inches)	3.74 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	14.92 g		

Temperatures

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

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	3-conductor installation terminal, Tension-clamp connection, With PE connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	3	Number of levels	3
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	N-function	Yes
PE function	Yes	PEN function	No

Additional technical data

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

CSA rating data

Certificate No. (CSA)	154685-1142891	Current size D (CSA)	10 A
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
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Technical data**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A2	Number of connections	5
Stripping length	8 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 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

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1 (-7-2)	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	400 V
Rated DC voltage	400 V	Rated current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1 (-7-2)
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. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size B (UR)	15 A
Current size D (UR)	10 A	Voltage size B (UR)	300 V
Voltage size D (UR)	300 V		

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	27250110

Data sheet**ZDL 2.5/N/L/PE**

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Technical data**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Downloads

Approval/Certificate/Document of Conformity	UKCA declaration of conformity
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

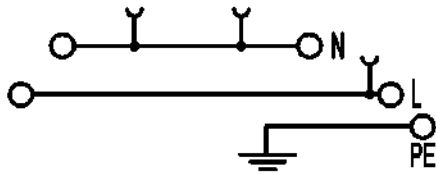
Data sheet

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Drawings



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Accessories

Custom printing



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.

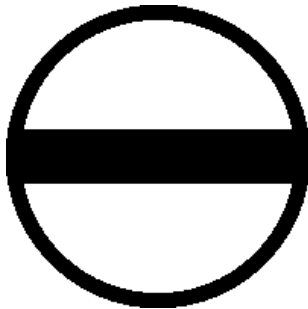
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 SDR	Version	
Order No.	1609810000		Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597		Weidmueller, To customer specification
Qty.	200 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.	2749610000		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

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.	161000000	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190263171	Allen-Bradley, white
Qty.	480 pc(s).	

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.	180549000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	
Type	BZT 1 ZA WS 10/5	Version
Order No.	180552000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	

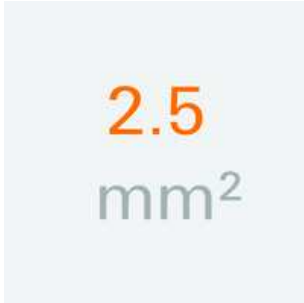
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Accessories

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	ZAP ZDL2.5	Version
Order No.	1720910000	Z-series, End plate
GTIN (EAN)	4008190398880	
Qty.	20 pc(s).	

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.	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	
Type	ZGB 30	Version
Order No.	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 pc(s).	

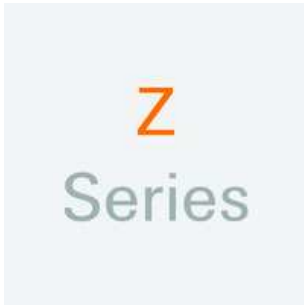
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Accessories

Z-Series

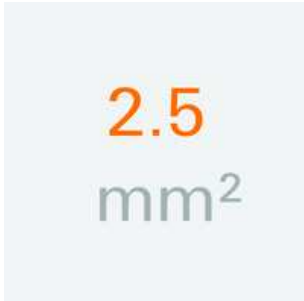


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	ZEW 35	Version
Order No.	9540000000	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	
Type	ZEW 35/2	Version
Order No.	8630740000	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 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 2.5N/8 GE	Version
Order No.	1693860000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883690	
Qty.	20 pc(s).	
Type	ZQV 2.5N/50 GE	Version
Order No.	1693890000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883737	
Qty.	5 pc(s).	
Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 pc(s).	
Type	ZQV 2.5N/4 GE	Version
Order No.	1693820000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883652	
Qty.	60 pc(s).	

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Accessories

Type	ZQV 2.5N/5 GE	Version
Order No.	1693830000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883669	
Qty.	20 pc(s).	
Type	ZQV 2.5N/9 GE	Version
Order No.	1693870000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883706	
Qty.	20 pc(s).	
Type	ZQV 2.5N/7 GE	Version
Order No.	1693850000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883683	
Qty.	20 pc(s).	
Type	ZQV 2.5N/6 GE	Version
Order No.	1693840000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883676	
Qty.	20 pc(s).	
Type	ZQV 2.5N/3 GE	Version
Order No.	1693810000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883645	
Qty.	60 pc(s).	
Type	ZQV 2.5N/10 GE	Version
Order No.	1693880000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883720	
Qty.	20 pc(s).	
Type	ZQV 2.5N/20 GE	Version
Order No.	1909000000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4032248535613	
Qty.	20 pc(s).	