

ZDL 2.5/SI/DU

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

www.weidmueller.com



General ordering data

Version	Z-series, Fuse terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige, Direct mounting
Order No.	1763180000
Type	ZDL 2.5/SI/DU
GTIN (EAN)	4032248108947
Qty.	25 pc(s).

Creation date January 14, 2022 12:01:36 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Depth	98 mm	Depth (inches)	3.858 inch
Height	95 mm	Height (inches)	3.74 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	19.04 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	Tension-clamp connection, Fuse cartridge, for plug- in cross-connector, One end without connector, Without LED	End cover plate required	Yes
Number of potentials	2	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	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	Connection direction	top
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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	A3	Number of connections	4
Stripping length	10 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 60947-7-3	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 voltage to adjoining terminal	400 V	Rated current	6.3 A
Current at maximum wires	6.3 A	Standards	IEC 60947-7-3
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 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	EC000899	ETIM 7.0	EC000899
ETIM 8.0	EC000899	ECLASS 9.0	27-14-11-16
ECLASS 9.1	27-14-11-16	ECLASS 10.0	27-14-11-16
ECLASS 11.0	27-14-11-16		

Data sheet**ZDL 2.5/SI/DU**

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Technical data**Approvals**

Approvals



ROHS Conform
UL File Number Search E60693

Downloads

Approval/Certificate/Document of Conformity	CB Certificate CB Test Certificate EAC certificate Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks Instruction sheet
Catalogues	Catalogues in PDF-format

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Accessories

W-Series

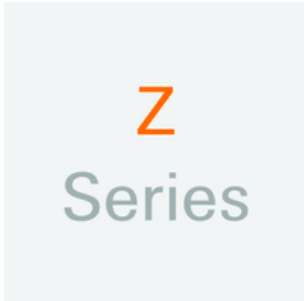


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/2	Version
Order No.	1061200000	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	
Type	WEW 35/1	Version
Order No.	1059000000	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 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	ZST 1	Version
Order No.	1269070000	Accessories, Accessories holder
GTIN (EAN)	4050118094091	
Qty.	25 pc(s).	
Type	ZEW 35/2	Version
Order No.	8630740000	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	
Type	ZEW 35	Version
Order No.	9540000000	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	

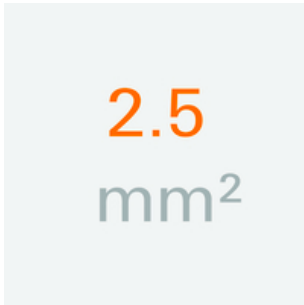
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Accessories

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).	

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

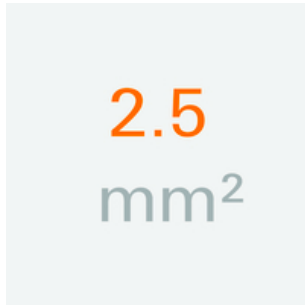
Type	DEK 5/5 MC SDR	Version
Order No.	1609810000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmueller, To customer specification
Qty.	200 pc(s).	

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Accessories

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/20 GE	Version
Order No.	1909000000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4032248535613	
Qty.	20 pc(s).	
Type	ZQV 2.5N/5 GE	Version
Order No.	1693830000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883669	
Qty.	20 pc(s).	
Type	ZQV 2.5N/9 GE	Version
Order No.	1693870000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883706	
Qty.	20 pc(s).	
Type	ZQV 2.5N/6 GE	Version
Order No.	1693840000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883676	
Qty.	20 pc(s).	
Type	ZQV 2.5N/4 GE	Version
Order No.	1693820000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883652	
Qty.	60 pc(s).	
Type	ZQV 2.5N/7 GE	Version
Order No.	1693850000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883683	
Qty.	20 pc(s).	
Type	ZQV 2.5N/8 GE	Version
Order No.	1693860000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883690	
Qty.	20 pc(s).	
Type	ZQV 2.5N/10 GE	Version
Order No.	1693880000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883720	
Qty.	20 pc(s).	
Type	ZQV 2.5N/50 GE	Version
Order No.	1693890000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883737	
Qty.	5 pc(s).	
Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 pc(s).	

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Data sheet

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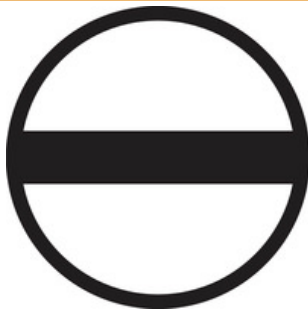
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Accessories

Type	ZQV 2.5N/3 GE	Version	
Order No.	1693810000	Version	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883645		
Qty.	60 pc(s).		

Slotted screwdriver

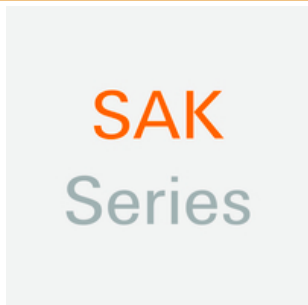


VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIS SLIM 0.6X3.5X100	Version	
Order No.	2749610000	Version	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).		

SAK-Series



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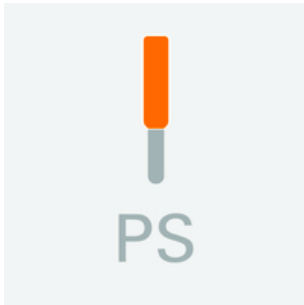
General ordering data

Type	EW 35 GR 7032	Version	
Order No.	0383530000	Version	Accessories, End bracket
GTIN (EAN)	4008190027322		
Qty.	50 pc(s).		
Type	EW 35/SCHA/M3	Version	
Order No.	0258660000	Version	Accessories, End bracket
GTIN (EAN)	4008190033477		
Qty.	20 pc(s).		
Type	EW 35	Version	
Order No.	0383560000	Version	Accessories, End bracket
GTIN (EAN)	4008190181314		
Qty.	50 pc(s).		

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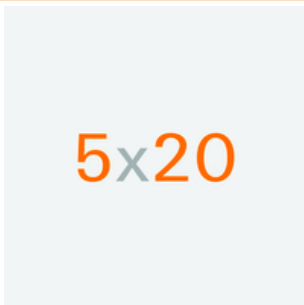
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Accessories
Test plugs


Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	PS 2.3 RT	Version
Order No.	0180400000	Accessories, Test plug
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	

5x20


For protection against overcurrent, we offer cartridge fuse with dimensions 5x20 mm in sizes from 100 mA to 6.3 A.

General ordering data

Type	G 20/2.50A/F	Version
Order No.	0431000000	Active components, Fuse
GTIN (EAN)	4008190085513	
Qty.	10 pc(s).	
Type	G 20/4.00A/F	Version
Order No.	0431200000	Active components, Fuse
GTIN (EAN)	4008190022983	
Qty.	10 pc(s).	
Type	G 20/5.00A/F	Version
Order No.	0431300000	Active components, Fuse
GTIN (EAN)	4008190185381	
Qty.	10 pc(s).	
Type	G 20/0.25A/F	Version
Order No.	0430500000	Active components, Fuse
GTIN (EAN)	4008190153991	
Qty.	10 pc(s).	
Type	G 20/0.20A/F	Version
Order No.	0430400000	Active components, Fuse
GTIN (EAN)	4008190152383	
Qty.	10 pc(s).	

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Accessories

Type	G 20/1.00A/F	Version
Order No.	0430700000	Active components, Fuse
GTIN (EAN)	4008190093877	
Qty.	10 pc(s).	
Type	G 20/1.60A/F	Version
Order No.	0430800000	Active components, Fuse
GTIN (EAN)	4008190031503	
Qty.	10 pc(s).	
Type	G 20/6.30A/F	Version
Order No.	0431400000	Active components, Fuse
GTIN (EAN)	4008190086053	
Qty.	10 pc(s).	
Type	G 20/3.15A/F	Version
Order No.	0431100000	Active components, Fuse
GTIN (EAN)	4008190012977	
Qty.	10 pc(s).	
Type	G 20/0.10A/F	Version
Order No.	0430300000	Active components, Fuse
GTIN (EAN)	4008190077174	
Qty.	10 pc(s).	
Type	G 20/0.63A/F	Version
Order No.	0439000000	Active components, Fuse
GTIN (EAN)	4008190131210	
Qty.	10 pc(s).	
Type	G 20/0.50A/F	Version
Order No.	0430600000	Active components, Fuse
GTIN (EAN)	4008190046835	
Qty.	10 pc(s).	
Type	G 20/2.00A/F	Version
Order No.	0430900000	Active components, Fuse
GTIN (EAN)	4008190123567	
Qty.	10 pc(s).	

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