



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Product image







Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

General ordering data

Version	Z-series, Component terminal, Feed-through terminal, Rated cross-section: 2.5 mm², Tension-clamp
	connection, beige
Order No.	<u>1650340000</u>
Туре	ZDU 2.5/2X2AN/D+
GTIN (EAN)	4008190297398
Qty.	20 ST



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Technical data

Approvals	€		
ROHS	Conform		
Dimensions and weights			
Depth	38.5 mm	Depth (inches)	1.5157 inch
Depth including DIN rail	39.5 mm	Height	79.5 mm
Height (inches)	3.1299 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	10.66 g
Temperatures			
Storage temperature	-25 °C55 °C	Ambient temperature	-5 °C40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
Environmental Product Compl	iance		
RoHS Compliance Status	Compliant with exemption		
RoHS Exemption (if applicable/known)	7a		
REACH SVHC	Lead 7439-92-1		
SCIP	c6099607-b1cd-4fc8-8f5b-8	3c2defa73093	
Material data			
Vlaterial	Wemid	Colour	dark beige
JL 94 flammability rating	V-0		
System specifications			
Version	Tension-clamp connection, with diode, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	4	Number of potentials per tier	1
_evels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No
Additional technical data	,	,	
Open sides	right	Explosion-tested version	Yes
Гуре of mounting	Snap-on	Electronic component	Diode
			1
Component			
Component Component diode	Type diode	1N4007	

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1 A

1300 V

0.7 V

Forward current

Reverse voltage

Forward voltage



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27-14-11-27

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27-25-01-14

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Technical data

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Stripping length	10 mm
Type of connection 2	Tension-clamp connection	Type of connection	Tension-clamp connection
Number of connections	4	Clamping range, max.	4 mm ²
Clamping range, min.	0.5 mm ²	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 30	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.	1.5 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, max.	4 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Connection cross-section, stranded, max.	4 mm ²
Connection cross-section, stranded, mi	n. 0.5 mm²	Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		
General			
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30
Standards	IEC 60947-7-1	Rail	TS 35
Rating data			
Date demonstration	2.5	Detect of contracts	400.1/
Rated cross-section	2.5 mm ² 400 V	Rated voltage	400 V
Rated DC voltage		Rated current	0.5 A
Current at maximum wires Volume resistance according to IEC 60947-7-x	0.5 A 1.33 mΩ	Standards Rated impulse withstand voltage	IEC 60947-7-1 6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3
Important note			
Product information	The allowed continuous ope	rating temperature must be observed	
Classifications			
ETIM 6.0	EC000903	ETIM 7.0	EC000903
	EC000903	ETIM 9.0	EC000903
ETIM 8.0	LC000303	LTIM 3.0	LC000303

Creation date 05.07.2025 05:56:00 MEZ

3 Catalogue status / Drawings

ECLASS 9.0

ECLASS 10.0

ECLASS 12.0

ECLASS 14.0

EC000903

27-14-11-47

27-14-11-27

27-25-01-14

27-25-01-14

ETIM 10.0

ECLASS 9.1

ECLASS 11.0

ECLASS 13.0

ECLASS 15.0



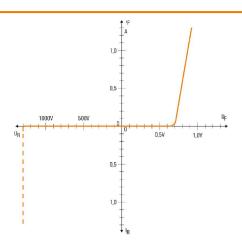
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Drawings







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Accessories

2.5 mm²

25

 mm^2

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/TW 3	Version
Order No.	<u>1608800000</u>	Z-series, Accessories, End plate, Partition plate
GTIN (EAN)	4008190190927	
Qty.	50 ST	
Туре	ZAP/TW 3 BL	Version
Order No.	<u>1608810000</u>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190190934	
Qty.	50 ST	
Туре	ZAP/TW 3 OR	Version
Order No.	<u>1608820000</u>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190190941	
Qty.	50 ST	
Туре	ZAP/TW 3 RT	Version
Order No.	<u>1683820000</u>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477547	
Qty.	50 ST	
Туре	ZAP/TW 3 GN	Version
Order No.	<u>1683840000</u>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477561	
Qty.	50 ST	
Туре	ZAP/TW 3 GR	Version
Order No.	<u>1683870000</u>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477592	
Qty.	50 ST	
Туре	ZAP/TW 3 WS	Version
Order No.	<u>1683880000</u>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477608	
Qty.	50 ST	
Туре	ZAP/TW 3 SW	Version
Order No.	<u>1683890000</u>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477615	
Qty.	50 ST	



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Accessories

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

Туре	EW 35	Version
Order No.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	
Туре	EW 35 GR 7032	Version
Order No.	0383530000	End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C
GTIN (EAN)	4008190027322	
Qty.	50 ST	
Туре	EW 35/SCHA/M3	Version
Order No.	0258660000	End bracket, beige, TS 35, V-2, Wemid, Width: 16.5 mm, 100 °C
GTIN (EAN)	4008190033477	
Qty.	20 ST	

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

Туре	WEW 35/1	Version
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C
GTIN (EAN)	4008190172282	
Qty.	50 ST	
Туре	WEW 35/2	Version
Type Order No.	WEW 35/2 1061200000	Version End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
	'	



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Accessories

Z-Series

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

Туре	ZEW 35	Version
Order No.	9540000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C
GTIN (EAN)	4008190956264	
Qty.	20 ST	
Туре	ZEW 35/2	Version
Order No.	8630740000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4032248348916	
Qty.	20 ST	
Туре	ZTA 1	Version
Type Order No.	ZTA 1 1609040000	Version Accessories, Test adapter, 9 A
Order No.	1609040000	
Order No. GTIN (EAN)	1609040000 4008190196851	
Order No. GTIN (EAN) Qty.	1609040000 4008190196851 25 ST	Accessories, Test adapter, 9 A
Order No. GTIN (EAN) Oty. Type	1609040000 4008190196851 25 ST ZTA 1/ZA	Accessories, Test adapter, 9 A Version

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

Туре	PS 2.0 OR	Version
Order No.	0293800000	Test adapter (terminal), 230 V, 20 mA
GTIN (EAN)	4008190042356	
Qty.	20 ST	
Туре	PS 2.3 RT	Version
Type Order No.	PS 2.3 RT 0180400000	Version Test adapter (terminal), 230 V, 20 mA

Creation date 05.07.2025 05:56:00 MEZ

Catalogue status / Drawings 7



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Accessories

Type	PS 4 F.STB 4	Version
Order No.	0299600000	Test adapter (terminal), 230 V
GTIN (EAN)	4008190074043	
Qty.	20 ST	

Z-Series

Z

Series

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

	oraoring aata	
Туре	ZRH 2.5/1 WS	Version
Order No.	<u>1614300000</u>	Z-series, Reducing sleeve
GTIN (EAN)	4008190206789	
Qty.	1000 ST	
Туре	ZRH 2.5/2 GR/V0	Version
Order No.	<u>1614290000</u>	Z-series, Reducing sleeve
GTIN (EAN)	4008190072476	
Qty.	1000 ST	
- 1,.		
Туре	ZRH 2.5/3	Version
		Version Z-series, Reducing sleeve
Туре	ZRH 2.5/3	
Type Order No.	ZRH 2.5/3 1614280000	
Type Order No. GTIN (EAN)	ZRH 2.5/3 1614280000 4008190206796	
Type Order No. GTIN (EAN) Oty.	ZRH 2.5/3 1614280000 4008190206796 1000 ST	Z-series, Reducing sleeve
Type Order No. GTIN (EAN) Oty.	ZRH 2.5/3 1614280000 4008190206796 1000 ST ZAD 1/4	Z-series, Reducing sleeve Version

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.



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Accessories

General ordering data

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

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

Туре	WS 10/15 MC NE WS	Version
Order No.	<u>1854090000</u>	WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00
GTIN (EAN)	4032248390694	Weidmueller, Allen-Bradley, white
Qty.	240 ST	
Туре	WS 10/5 M MC NE WS	Version
Order No.	<u>1792000000</u>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248223862	Allen-Bradley, white
Qty.	720 ST	
Туре	WS 10/5 MC NE WS	Version
Order No.	<u>1635000000</u>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 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

Туре	ZGB 15	Version
Order No.	<u>1636530000</u>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 ST	



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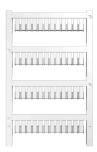
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Accessories

Туре	ZGB 30	Version
Order No.	<u>1611930000</u>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 ST	
Туре	ZGB 30/3.5	Version
Type Order No.	ZGB 30/3.5 1778290000	Version Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50
	· ·	

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

Туре	ZS 10/5 MC NE WS	Version
Order No.	<u>1610000000</u>	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190263171	Allen-Bradley, white
Qty.	480 ST	

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 snaped 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.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Type Order No.	BZT 1 ZA WS 10/5 1805520000	Version Accessories, Marker holder
	,	

Data sheet

ZDU 2.5/2X2AN/D+



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Accessories

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
Order No. 2749610000
GTIN (EAN) 4050118896350
Oty. 1 ST

Version

Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm