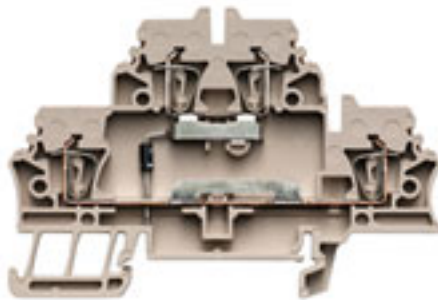


ZDK 2.5/D/1**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

Version	Z-series, Component terminal, Double-tier terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige
Order No.	1690020000
Type	ZDK 2.5/D/1
GTIN (EAN)	4008190877897
Qty.	50 pc(s).

ZDK 2.5/D/1

Weidmüller Interface GmbH & Co. KG

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Technical data

Dimensions and weights

Depth	53 mm	Depth (inches)	2.087 inch
Depth including DIN rail	54 mm	Height	79.1 mm
Height (inches)	3.114 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	10.64 g

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Material data

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

System specifications

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

Additional technical data

Electronic component	Diode	Explosion-tested version	Yes
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	80053378-200039	Conductor size Factory wiring max. (CSA)	12 AWG
Conductor size Factory wiring min. (CSA)	26 AWG	Conductor size Field wiring max. (CSA)	12 AWG
Conductor size Field wiring min. (CSA)	26 AWG	Current size B (CSA)	10 A
Current size D (CSA)	10 A	Voltage size B (CSA)	300 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Component

Component diode	Type diode	1N4007
	Forward current	1 A
	Reverse voltage	1,300 V
	Forward voltage	0.7 V

ZDK 2.5/D/1

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Technical data

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 2.5 mm²

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm		
Clamping range, max.	2.5 mm ²		
Clamping range, min.	0.05 mm ²		
Connection direction	top		
Gauge to IEC 60947-1	A2		
Number of connections	4		
Stripping length	10 mm		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm ²
		min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
		min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm ²
		min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
		min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm ²
		min.	8 mm
		max.	12 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm ²
		nominal	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
		nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
		nominal	10 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
		min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm ²
		min.	10 mm
		max.	12 mm
Twin wire-end ferrules, max.	0.34 mm ²		
Twin wire-end ferrules, min.	0.14 mm ²		
Type of connection	Tension-clamp connection		
Wire connection cross section AWG, min.	AWG 30		
Wire connection cross section, finely stranded, max.	2.5 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.	1.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²		

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
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Wire connection cross-section, solid core, max.	2.5 mm ²
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Wire connection cross-section, solid core, min.	0.5 mm ²
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General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, min.	AWG 30		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated current	10 A	Standards	IEC 60947-7-1
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)	14 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	14 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	15 A
Voltage size C (UR)	300 V		

Classifications

ETIM 6.0	EC000903	ETIM 7.0	EC000903
ETIM 8.0	EC000903	ECLASS 9.0	27-14-11-27
ECLASS 9.1	27-14-11-47	ECLASS 10.0	27-14-11-27
ECLASS 11.0	27-14-11-27		

Important note

Product information	The allowed continuous operating temperature must be observed
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Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

ZDK 2.5/D/1

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

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Technical data

Downloads

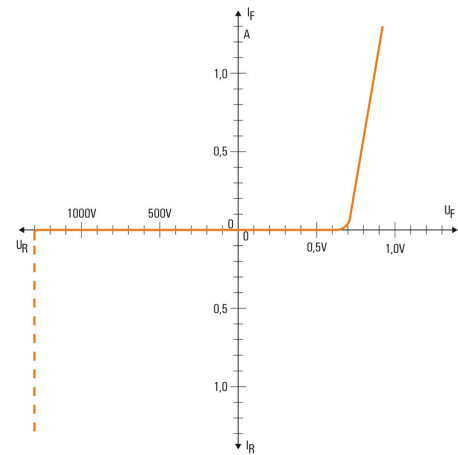
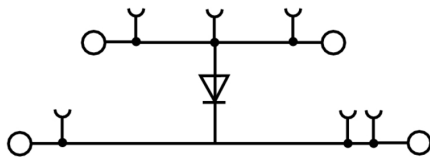
Approval/Certificate/Document of Conformity	EAC certificate DNVGL certificate Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

ZDK 2.5/D/1

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Drawings



ZDK 2.5/D/1

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Accessories

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

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.	1610000000	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190263171	Allen-Bradley, white
Qty.	480 pc(s).	

ZDK 2.5/D/1

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

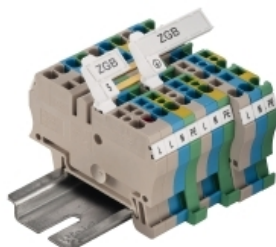
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Accessories

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 30/3.5	Version
Order No.	1778290000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248161065	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).	

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.	1792000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248223862	Allen-Bradley, white
Qty.	720 pc(s).	

ZDK 2.5/D/1

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Accessories

Type	WS 10/5 MC NE WS	Version
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 pc(s).	

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/TW ZDK2.5 BL	Version
Order No.	1748800000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190997519	
Qty.	20 pc(s).	
Type	ZAP/TW ZDK2.5	Version
Order No.	1674730000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190444891	
Qty.	20 pc(s).	
Type	ZAP/TW ZDK2.5 OR	Version
Order No.	1690080000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190870645	
Qty.	20 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 35/2	Version
Order No.	1061200000	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

ZDK 2.5/D/1

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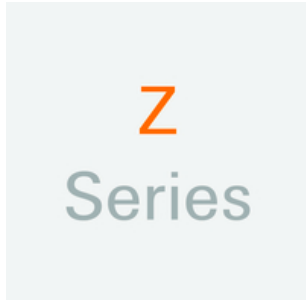
Germany

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Accessories

Type	WEW 35/1	Version
Order No.	1059000000	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

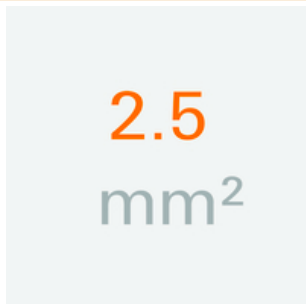
Z-Series



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

Type	ZRH 1.5H/1	Version
Order No.	1678810000	Z-series, Reducing sleeve
GTIN (EAN)	4008190487324	
Qty.	1,000 pc(s).	
Type	ZRH 1.5H/2	Version
Order No.	1678800000	Z-series, Reducing sleeve
GTIN (EAN)	4008190487317	
Qty.	1,000 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 2.5/2	Version
Order No.	1608860000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190123680	
Qty.	60 pc(s).	
Type	ZQV 2.5/4	Version
Order No.	1608880000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190082208	
Qty.	60 pc(s).	
Type	ZQV 2.5/10	Version
Order No.	1608940000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190099060	
Qty.	20 pc(s).	

Creation date January 27, 2022 5:51:16 AM CET

ZDK 2.5/D/1

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Accessories

Type	ZQV 2.5/20	Version
Order No.	1908960000	Z-series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535293	
Qty.	20 pc(s).	
Type	ZQV 2.5/5	Version
Order No.	1608890000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190065713	
Qty.	20 pc(s).	
Type	ZQV 2.5/6	Version
Order No.	1608900000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190149840	
Qty.	20 pc(s).	
Type	ZQV 2.5/3	Version
Order No.	1608870000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061630	
Qty.	60 pc(s).	
Type	ZQV 2.5/8	Version
Order No.	1608920000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061531	
Qty.	20 pc(s).	
Type	ZQV 2.5/7	Version
Order No.	1608910000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190159665	
Qty.	20 pc(s).	
Type	ZQV 2.5/9	Version
Order No.	1608930000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190117009	
Qty.	20 pc(s).	
Type	ZQV 2.5/50	Version
Order No.	1697540000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190883256	
Qty.	10 pc(s).	

STR transparent strips



General ordering data

Type	STR 7 F.SCHT 7	Version
Order No.	0515300000	Terminal markers, Protective cap, 27 x 6.3 mm, Transparent
GTIN (EAN)	4008190182175	
Qty.	20 pc(s).	

ZDK 2.5/D/1

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

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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.

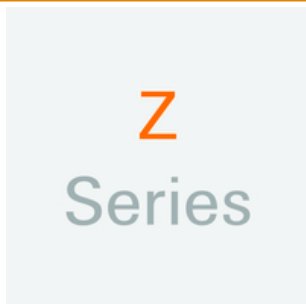
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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).	

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 35/2	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).	

ZDK 2.5/D/1

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Klingenbergstraße 26

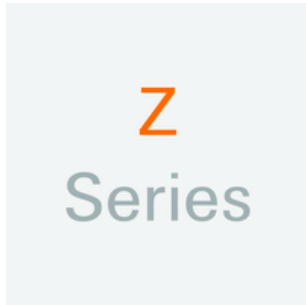
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Accessories

Z-Series



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	ZTA 4	Version
Order No.	1688110000	Accessories, Test adapter, 11 A
GTIN (EAN)	4008190855666	
Qty.	25 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.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

ZDK 2.5/D/1

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Accessories

Blank



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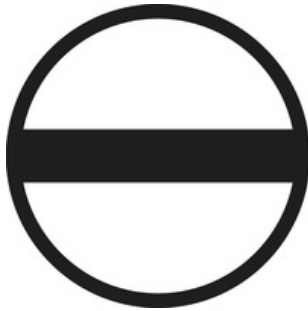
- Can be fitted in strips or individually
- Markers in proven MultiCard format

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 10/15 MC NE WS	Version
Order No.	1854090000	WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00
GTIN (EAN)	4032248390694	Weidmueller, Allen-Bradley, white
Qty.	240 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
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm
Qty.	1 pc(s).	

Mouser Electronics

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