

**Z-series**  
**ZDLD 2.5-2N/PE/L/L**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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**

Type	ZDLD 2.5-2N/PE/L/L
Order No.	<a href="#">1131750000</a>
Version	Multi-tier modular terminal, Tension-clamp connection, 2.5 mm <sup>2</sup> , 500 V, 20 A, dark beige
GTIN (EAN)	4032248922680
Qty.	50 pc(s).

## Z-series ZDL D 2.5-2N/PE/L/L

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Technical data

### Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	110.5 mm	Height (inches)	4.35 inch
Depth	69 mm	Depth (inches)	2.717 inch
Depth including DIN rail	70 mm	Net weight	21 g

### Temperatures

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

### Material data

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

### System specifications

Version	Tension-clamp connection, L, L and PE connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of levels	3	No. of clamping points per level	2
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35		

### Additional technical data

Installation advice	Direct mounting	Open sides	right
Type of mounting	Snap-on		

### CSA rating data

Certificate No. (CSA)	200039-1228250	Current size B (CSA)	15 A
Current size C (CSA)	15 A	Current size D (CSA)	10 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	150 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

## Z-series ZDL D 2.5-2N/PE/L/L

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Technical data

### Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.08 mm <sup>2</sup>	Connection direction	top
Gauge to IEC 60947-1	A2	Number of connections	6
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.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 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.	1.5 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, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	500 V
Rated current	20 A	Volume resistance according to IEC 60947-7-x	3.99 mΩ
Rated impulse withstand voltage	6 kV	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 C (UR)	15 A	Current size D (UR)	10 A
Voltage size B (UR)	300 V	Voltage size C (UR)	150 V
Voltage size D (UR)	300 V	Wire cross section max. (UR)	12 AWG
Wire cross section min. (UR)	26 AWG		

### Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

### Approvals

Approvals



ROHS

Conform

## Z-series ZDL D 2.5-2N/PE/L/L

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">DE_PT1102_20160418_1130_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN.WSCAD</a>
Engineering Data	<a href="#">STEP</a>

### Safety note

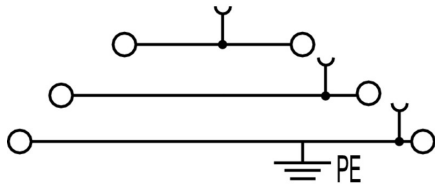
Safety notice	<a href="#">Safety Information</a>
---------------	------------------------------------

**Data sheet**

**Z-series**  
**ZDL D 2.5-2N/PE/L/L**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**



## Z-series ZDLD 2.5-2N/PE/L/L

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Accessories

### Reduction Sleeves



#### 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

Type	Order No.	Version	GTIN (EAN)	Qty.
ZRH 1.5H/2	<a href="#">1678800000</a>	Z-series, Reducing sleeve	4008190487317	1,000 pc(s).
ZRH 1.5H/1	<a href="#">1678810000</a>	Z-series, Reducing sleeve	4008190487324	1,000 pc(s).

### End plates



#### 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

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAP/TW ZDLD2.5-2N BL	<a href="#">1782350000</a>	Z-series, End plate, Seperation plate	4032248176571	20 pc(s).
ZAP/TW ZDLD2.5-2N	<a href="#">1782340000</a>	Z-series, End plate, Seperation plate	4032248176564	20 pc(s).
ZAP/TW ZDLD2.5-2N OR	<a href="#">1782360000</a>	Z-series, End plate, Intermediate plate	4032248176588	20 pc(s).

**Z-series**  
**ZDLD 2.5-2N/PE/L/L**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Accessories**
**ZQV 2.5**

**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**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/2	<a href="#">1608860000</a>	Accessories, Cross-connector, 24 A	4008190123680	60 pc(s).
ZQV 2.5/10	<a href="#">1608940000</a>	Accessories, Cross-connector, 24 A	4008190099060	20 pc(s).
ZQV 2.5/6	<a href="#">1608900000</a>	Accessories, Cross-connector, 24 A	4008190149840	20 pc(s).
ZQV 2.5/7	<a href="#">1608910000</a>	Accessories, Cross-connector, 24 A	4008190159665	20 pc(s).
ZQV 2.5/3	<a href="#">1608870000</a>	Accessories, Cross-connector, 24 A	4008190061630	60 pc(s).
ZQV 2.5/9	<a href="#">1608930000</a>	Accessories, Cross-connector, 24 A	4008190117009	20 pc(s).
ZQV 2.5/5	<a href="#">1608890000</a>	Accessories, Cross-connector, 24 A	4008190065713	20 pc(s).
ZQV 2.5/50	<a href="#">1697540000</a>	Accessories, Cross-connector, 24 A	4008190883256	10 pc(s).
ZQV 2.5/8	<a href="#">1608920000</a>	Accessories, Cross-connector, 24 A	4008190061531	20 pc(s).
ZQV 2.5/4	<a href="#">1608880000</a>	Accessories, Cross-connector, 24 A	4008190082208	60 pc(s).

**Z-series**  
**ZDL D 2.5-2N/PE/L/L**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**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	Order No.	Version	GTIN (EAN)	Qty.
ZS 10/5 MC	<a href="#">1610000000</a>	ZS, Terminal marker, 10 x 5	4008190263171	480 pc(s).
NE WS		mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, white		

**Tools**

Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS	<a href="#">9008330000</a>	Screwdriver, Blade width	4032248056286	1 pc(s).
0.6X3.5X100		(B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm		



**Z-series**  
**ZDL D 2.5-2N/PE/L/L**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Accessories****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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo 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	Order No.	Version	GTIN (EAN)	Qty.
WS 12/5 MC	<a href="#">1609860000</a>	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00	4008190203481	720 pc(s).
NE WS		Weidmueller, Allen-Bradley, white		

**Marking Holder****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**

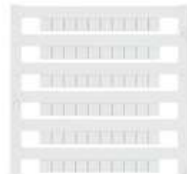
Type	Order No.	Version	GTIN (EAN)	Qty.
BZT 1 ZA WS	<a href="#">1805520000</a>	Accessories, Marker holder	4032248270248	100 pc(s).
10/5				
BZT 1 WS	<a href="#">1805490000</a>	Accessories, Marker holder	4032248270231	100 pc(s).
10/5				

## Z-series ZDL D 2.5-2N/PE/L/L

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Accessories

### 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	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC NE WS	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, white	4008190397111	1,000 pc(s).