

**Z-series  
ZDL 2.5/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****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

Type	ZDL 2.5/L/L
Order No.	<a href="#">1720830000</a>
Version	Z-series, Installation multi-tier terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension clamp connection, Dark Beige, Direct mounting
GTIN (EAN)	4008190959012
Qty.	50 pc(s).

**Z-series  
ZDL 2.5/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	95 mm	Height (inches)	3.74 inch
Depth	48 mm	Depth (inches)	1.89 inch
Net weight	13.05 g		

**Temperatures**

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
----------------------------------	--------	----------------------------------	--------

**Material data**

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

**System specifications**

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

**Z-series  
ZDL 2.5/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.	4 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A2	Number of connections	4
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 <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 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.	2.5 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.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

**PE rating data**

PEN function	No
--------------	----

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	400 V
Rated current	24 A	Current at maximum wires	24 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	2.66 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 D (UR)	10 A	Voltage size B (UR)	300 V
Voltage size D (UR)	300 V		

**Classifications**

ETIM 3.0	EC001329	ETIM 4.0	EC001329
ETIM 5.0	EC001329	ETIM 6.0	EC001329
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-25
eClass 6.2	27-14-11-25	eClass 7.1	27-14-11-25
eClass 8.1	27-14-11-25	eClass 9.0	27-14-11-25
eClass 9.1	27-14-11-25		

**Product information**

Descriptive text technical data	2.5 mm <sup>2</sup> flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
---------------------------------	--

**Data sheet****Z-series**  
**ZDL 2.5/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****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity[DE\\_PT1103\\_20160418\\_1110\\_ISSUE01.pdf](#)

Engineering Data

[EPLAN\\_WSCAD](#)

Engineering Data

[STEP](#)**Safety note**

Safety notice

[Safety Information](#)

**Z-series  
ZDL 2.5/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 2.5N****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 2.5N/6 GE	<a href="#">1693840000</a>	Z-series, Cross-connector, 24 A	4008190883676	20 pc(s).
ZQV 2.5N/20 GE	<a href="#">1909000000</a>	Z-series, Cross-connector, 24 A	4032248535613	20 pc(s).
ZQV 2.5N/3 GE	<a href="#">1693810000</a>	Z-series, Cross-connector, 24 A	4008190883645	60 pc(s).
ZQV 2.5N/9 GE	<a href="#">1693870000</a>	Z-series, Cross-connector, 24 A	4008190883706	20 pc(s).
ZQV 2.5N/8 GE	<a href="#">1693860000</a>	Z-series, Cross-connector, 24 A	4008190883690	20 pc(s).
ZQV 2.5N/4 GE	<a href="#">1693820000</a>	Z-series, Cross-connector, 24 A	4008190883652	60 pc(s).
ZQV 2.5N/2 GE	<a href="#">1693800000</a>	Z-series, Cross-connector, 24 A	4008190883621	60 pc(s).
ZQV 2.5N/50 GE	<a href="#">1693890000</a>	Z-series, Cross-connector, 24 A	4008190883737	5 pc(s).
ZQV 2.5N/5 GE	<a href="#">1693830000</a>	Z-series, Cross-connector, 24 A	4008190883669	20 pc(s).
ZQV 2.5N/7 GE	<a href="#">1693850000</a>	Z-series, Cross-connector, 24 A	4008190883683	20 pc(s).
ZQV 2.5N/10 GE	<a href="#">1693880000</a>	Z-series, Cross-connector, 24 A	4008190883720	20 pc(s).

**Z-series  
ZDL 2.5/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**

**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	Order No.	Version	GTIN (EAN)	Qty.
ZGB 30	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White	4008190002251	20 pc(s).
ZGB 15	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 White	4008190297053	20 pc(s).

**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 10/5	<a href="#">1805520000</a>	Accessories, Marker holder	4032248270248	100 pc(s).
BZT 1 WS 10/5	<a href="#">1805490000</a>	Accessories, Marker holder	4032248270231	100 pc(s).

**Data sheet**

**Z-series  
ZDL 2.5/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**

**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 ZDL2.5	<a href="#">1720910000</a>	Z-series, End plate	4008190398880	20 pc(s).

**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 0.6X3.5X100	<a href="#">9008330000</a>	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056286	1 pc(s).

## Z-series ZDL 2.5/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

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

## 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		



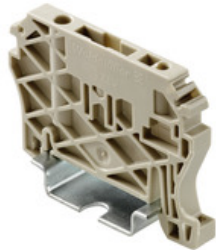
**Data sheet**

**Z-series  
ZDL 2.5/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**

**End brackets**



**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.
ZEW 35	<a href="#">9540000000</a>	Z-series, End bracket	4008190956264	20 pc(s).
ZEW 35/2	<a href="#">8630740000</a>	Z-series, End bracket	4032248348916	20 pc(s).