

Z-series ZDL 2.5/NT/L/PE

Weidmüller Interface GmbH & Co. KG
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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/NT/L/PE
Order No.	1720820000
Version	Z-series, Installation multi-tier terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, Dark Beige, Direct mounting
GTIN (EAN)	4008190958954
Qty.	50 pc(s).

Data sheet

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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	15.98 g		

Temperatures

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

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

System specifications

Version	3-conductor installation terminal, Tension-clamp connection, With PE connection, with busbar connection 10x3, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	3	Number of levels	3
No. of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 35	N-function	Yes
PE function	Yes	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 ²
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Technical data**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	4 mm ²
Clamping range, rated connection, min.	0.13 mm ²	Connection direction	Inclined / angled
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Gauge to IEC 60947-1	A2
Number of connections	5	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 with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, solid core max. rated connection	4 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

PE rating data

PEN function	No
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Rating data

Rated cross-section	2.5 mm ²	Rated voltage	400 V
Rated current	20 A	Current at maximum wires	20 A
Standards	IEC 60947-7-1 (-7-2)	Volume resistance according to IEC 60947-7-x	2.66 mΩ
Rated impulse withstand voltage	4 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 ² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
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Data sheet**Z-series**
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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT1103_20160418_1114_ISSUE01.pdf](#)

Engineering Data

[EPLAN.WSCAD](#)**Safety note**

Safety notice

[Safety Information](#)

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Accessories

End plates



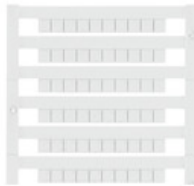
Spring connection with tension clamp Technology

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	1720910000	Z-series, End plate	4008190398880	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

General ordering data

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

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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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 10/5 MC NE WS	1610000000	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190263171	480 pc(s).

End bracket



Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

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

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Accessories

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	9008330000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056286	1 pc(s).

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 15	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 White	4008190297053	20 pc(s).
ZGB 30	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White	4008190002251	20 pc(s).

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Accessories
End brackets

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/1	1059000000	W-Series, End bracket	4008190172282	50 pc(s).
WEW 35/2	1061200000	W-Series, End bracket	4008190030230	100 pc(s).

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 35/2	8630740000	Z-series, End bracket	4032248348916	20 pc(s).
ZEW 35	9540000000	Z-series, End bracket	4008190956264	20 pc(s).

Bus bars

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ESCH 1 M	0280300000	Accessories, Busbar, Steel,	4008190143053	1 m
SSCH	1071200000	Accessories, Busbar,	4008190279172	1 m
7.3X1.2X1000		Copper, 1000 mm		

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Accessories

SSCH 6X6X1000 CU/SN	0571300000	Accessories, Busbar, Copper, 1000 mm	4008190015039 1 m
SSCH 10X3X1000 MS/BK	0259800000	Accessories, Busbar, Brass, 1000 mm	4008190049300 1 m
SSCH 15X6X1000 CU/SN	0357400000	Accessories, Busbar, Copper, 1000 mm	4008190169572 1 m
SSCH 10X3X1000 CU/SN	0348900000	Accessories, Busbar, Copper, 1000 mm	4008190024802 1 m
NSCH 1M	0280200000	Accessories, Busbar, Copper, 1000 mm	4008190012953 1 m

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