

ZDL 2.5S/NT/L/PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Z-series, Installation multi-tier terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige, Direct mounting
Order No.	1720750000
Type	ZDL 2.5S/NT/L/PE
GTIN (EAN)	4008190380359
Qty.	50 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2023-03-31
Alternative product	2668950000

Creation date October 11, 2023 8:37:31 AM CEST

ZDL 2.5S/NT/L/PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

Depth	48 mm	Depth (inches)	1.89 inch
Height	95 mm	Height (inches)	3.74 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	14.62 g		

Temperatures

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

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	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
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		

ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²	Connection direction	Inclined / angled
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, max.	4 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.	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 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.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1 (-7-2)	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	400 V
Rated DC voltage	400 V	Rated current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1 (-7-2)
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	4 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)	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 6.0	EC001329	ETIM 7.0	EC001329
ETIM 8.0	EC001329	ETIM 9.0	EC001329
ECLASS 9.0	27-14-11-25	ECLASS 9.1	27-14-11-25
ECLASS 10.0	27-14-11-25	ECLASS 11.0	27-14-11-25
ECLASS 12.0	27-14-11-25	ECLASS 13.0	27250110

Data sheet

ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks User Manual Z-INSTA
Catalogues	Catalogues in PDF-format

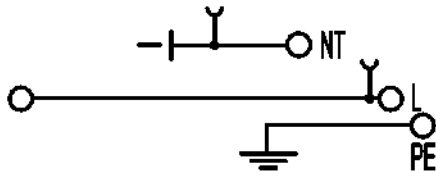
Data sheet

ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings



ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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	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).	

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).	

ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

Copper



Of all the metals used, copper has the best electrical conductivity, which results in the highest short-circuit resistance. This makes the copper busbar the most widely used variant.

General ordering data

Type	SSCH 10X3X1000 CU/SN	Version
Order No.	034890000	Accessories, Busbar, Copper
GTIN (EAN)	4008190024802	
Qty.	1 m	

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 snapped 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.	180549000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	
Type	BZT 1 ZA WS 10/5	Version
Order No.	180552000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	

ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

2.5 mm²

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	ZAP ZDL2.5S	Version
Order No.	1720900000	Z-series, End plate
GTIN (EAN)	4008190381059	
Qty.	20 pc(s).	

Insulated



Bus bar taps with insulation offer finger safety on the one hand. On the other hand, the colored insulation also indicates the respective potential, such as the neutral conductor or PE.

General ordering data

Type	ZB 4/6K BL	Version
Order No.	0565480000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, blue, Feed-through (bushing)
GTIN (EAN)	4008190086831	
Qty.	50 pc(s).	
Type	ZB 35K GE/GN M6X16	Version
Order No.	0502660000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, Green/yellow, Feed-through (bushing)
GTIN (EAN)	4008190052294	
Qty.	20 pc(s).	
Type	ZB 35K SW M6X16	Version
Order No.	0502610000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, black, Feed-through (bushing)
GTIN (EAN)	4008190332587	
Qty.	20 pc(s).	
Type	ZB 16K GE/GN	Version
Order No.	0502860000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, Green/yellow, Feed-through (bushing)
GTIN (EAN)	4008190188795	
Qty.	50 pc(s).	
Type	ZB 4G BL	Version
Order No.	0322180000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, blue, Feed-through (bushing)
GTIN (EAN)	4008190050504	
Qty.	50 pc(s).	

ZDL 2.5S/NT/L/PE

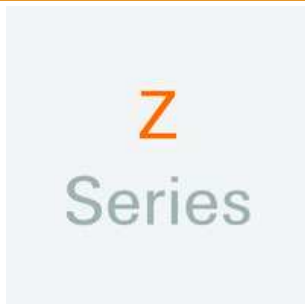
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

Type	ZB 4K SW	Version
Order No.	0475310000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190008406	yoke, PA, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 16K BL	Version
Order No.	0502880000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190014186	yoke, PA, blue, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 4K GG HENSEL	Version
Order No.	1824560000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4032248330973	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 16K SW	Version
Order No.	0502810000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190332563	yoke, PA, black, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 4K GE/GN	Version
Order No.	0475360000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190188047	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 4/6K GE/GN	Version
Order No.	0565460000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190032609	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 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	Version
Order No.	9540000000	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	
Type	ZEW 35/2	Version
Order No.	8630740000	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	

ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

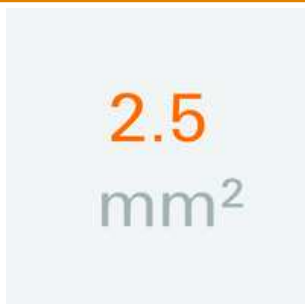
www.weidmueller.com

Accessories**Uninsulated**

Uninsulated bus bar tap-off terminals offer a space-saving option for connecting conductors on a bus bar.

General ordering data

Type	ZB 4/6	Version
Order No.	0556700000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190188412	yoke, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 35/M6X16	Version
Order No.	0266500000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190102814	yoke, Feed-through (bushing)
Qty.	20 pc(s).	
Type	ZB 4	Version
Order No.	0316500000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190061999	yoke, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 16 ZKSC	Version
Order No.	0316600000	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190145989	yoke, Feed-through (bushing)
Qty.	50 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 2.5N/8 GE	Version
Order No.	1693860000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883690	
Qty.	20 pc(s).	
Type	ZQV 2.5N/50 GE	Version
Order No.	1693890000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883737	
Qty.	5 pc(s).	

ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 pc(s).	
Type	ZQV 2.5N/4 GE	Version
Order No.	1693820000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883652	
Qty.	60 pc(s).	
Type	ZQV 2.5N/5 GE	Version
Order No.	1693830000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883669	
Qty.	20 pc(s).	
Type	ZQV 2.5N/9 GE	Version
Order No.	1693870000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883706	
Qty.	20 pc(s).	
Type	ZQV 2.5N/7 GE	Version
Order No.	1693850000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883683	
Qty.	20 pc(s).	
Type	ZQV 2.5N/6 GE	Version
Order No.	1693840000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883676	
Qty.	20 pc(s).	
Type	ZQV 2.5N/3 GE	Version
Order No.	1693810000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883645	
Qty.	60 pc(s).	
Type	ZQV 2.5N/10 GE	Version
Order No.	1693880000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883720	
Qty.	20 pc(s).	
Type	ZQV 2.5N/20 GE	Version
Order No.	1909000000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4032248535613	
Qty.	20 pc(s).	

ZDL 2.5S/NT/L/PE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

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

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).	