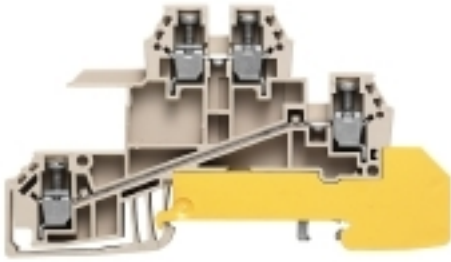


**W-Series**  
**WDL 2.5/S/L/L/PE**

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


**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	WDL 2.5/S/L/L/PE
Order No.	<a href="#">1031100000</a>
Version	W-Series, Distributor terminal block for N rail, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4008190042202
Qty.	50 pc(s).

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**Technical data****Dimensions and weights**

Width	6.1 mm	Width (inches)	0.24 inch
Height	84.5 mm	Height (inches)	3.327 inch
Depth	48 mm	Depth (inches)	1.89 inch
Depth including DIN rail	49 mm	Net weight	17.21 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	Screw connection, L, L and PE connection, for screwable cross-connection, One end without connector	Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm
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	No	PE function	Yes
PEN function	No		

**Additional technical data**

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

**CSA rating data**

Certificate No. (CSA)	12400-296	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		

**Conductors for clamping (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
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**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>	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	5	Stripping length	8 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1	Type of connection	Screw 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.	0.25 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>

**Disconnect terminals**

For N-busbar	10 x 3 mm
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**PE rating data**

PEN function	No
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**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	400 V
Rated current	24 A	Current at maximum wires	32 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)	22 AWG	Current size C (UR)	15 A
Voltage size C (UR)	300 V		

**Classifications**

ETIM 3.0	EC001329	ETIM 4.0	EC001329
ETIM 5.0	EC001329	ETIM 6.0	EC000897
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	27-14-11-20		

**Data sheet**

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**Technical data**

**Product information**

Descriptive text ordering data	PE connection is marked green-yellow
Descriptive text technical data	L-PE 250 V

**Approvals**

Approvals



ROHS	Conform
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PT1003_20160418_746_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">Beipackzettel_WDL.pdf</a>

**Safety note**

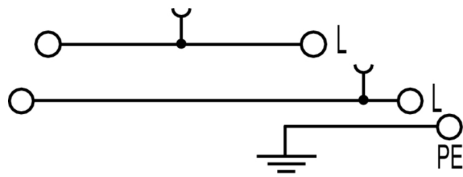
Safety notice	<a href="#">Safety Information</a>
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**Drawings**

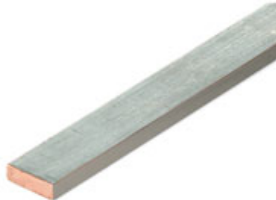


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**Accessories**

**Bus bars**



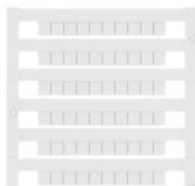
**Building installation wiring**

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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SSCH 10X3X1000 CU/SN	<a href="#">0348900000</a>	Accessories, Busbar, Copper	4008190024802	1 m

**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

**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).

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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.

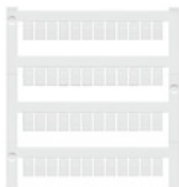
The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

### General ordering data

Type	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).

### 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

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 8/5 MC NE WS	<a href="#">1640740000</a>	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190279103	720 pc(s).

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**Accessories**

**End brackets**



**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.
WEW 35/2	<a href="#">1061200000</a>	W-Series, End bracket	4008190030230	100 pc(s).

**Busbar connections**



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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZB 35/ M6X16	<a href="#">0266500000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Feed-through (bushing)	4008190102814	20 pc(s).
ZB 4	<a href="#">0316500000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Feed-through (bushing)	4008190061999	50 pc(s).
ZB 16 ZKSC	<a href="#">0316600000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Feed-through (bushing)	4008190145989	50 pc(s).



**Data sheet**

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**Accessories**

**Holding plates**



**Building installation wiring**

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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WHP	<a href="#">1067980000</a>	W-Series, Fixing plate	4008190022440	20 pc(s).
WDL2.5/S BL				

**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		

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## Accessories

### Cross-connector



#### Building installation wiring

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#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
Q 2 WDL2.5S	<a href="#">1071500000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 2	4008190424930	50 pc(s).
Q 4 WDL2.5S	<a href="#">1071700000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 4	4008190424916	50 pc(s).
Q 20 WDL2.5S	<a href="#">1074200000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 20	4008190910501	20 pc(s).
Q 3 WDL2.5S	<a href="#">1071600000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 3	4008190424923	50 pc(s).
Q 10 WDL2.5S	<a href="#">1071800000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 10	4008190424893	20 pc(s).

### End plates



#### Building installation wiring

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#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WAP WDL2.5/S	<a href="#">1067700000</a>	W-Series, End plate	4008190059316	20 pc(s).