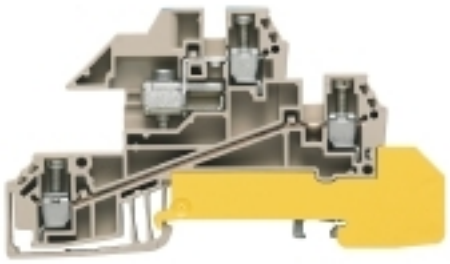
WDL 2.5/S/NT/L/PE

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	W-Series, Distributor terminal block for N rail, Rated cross-section: 2.5 mm², Screw connection
Order No.	1030600000
Type	WDL 2.5/S/NT/L/PE
GTIN (EAN)	4008190035815
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	48 mm	Depth (inches)	1.89 inch
Height	84.5 mm	Height (inches)	3.327 inch
Width	6.1 mm	Width (inches)	0.24 inch
Net weight	18.39 g		

Temperatures

Storage temperature	-25 °C...55 °C	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	Screw connection, NT, L and 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
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	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 (rated connection)

Blade size	0.6 x 3.5 mm

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Technical data

Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	0.5 mm²	
		max.	4 mm²	
		nominal	2.5 mm²	
	wire end ferrule	Stripping length	min.	8 mm
			max.	8 mm
			nominal	8 mm
		Tightening torque	min.	0.4 Nm
			max.	0.6 Nm
		Recommended wire-end ferrule		
	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	1.5 mm²	
		max.	4 mm²	
		nominal	2.5 mm²	
	wire end ferrule	Stripping length	min.	8 mm
			max.	8 mm
			nominal	8 mm
		Tightening torque	min.	0.4 Nm
			max.	0.6 Nm
		Recommended wire-end ferrule		
	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	flexible, H05(07) V-K	
		min.	0.5 mm²	
		max.	4 mm²	
		nominal	2.5 mm²	
	wire end ferrule	Stripping length	min.	8 mm
			max.	8 mm
			nominal	8 mm
		Tightening torque	min.	0.4 Nm
			max.	0.6 Nm
		Recommended wire-end ferrule		

Clamping range, max.	4 mm²
Clamping range, min.	0.13 mm²
Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, min.	1.5 mm²
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 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.25 mm²
Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.5 mm²

General

Rail	TS 35	Standards	In accordance with IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26

Rating data

Rated cross-section	2.5 mm²	Rated voltage	400 V
Rated current	24 A	Current at maximum wires	32 A
Standards	In accordance with IEC 60947-7-1	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)	22 AWG	Current size C (UR)	15 A
Voltage size C (UR)	300 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

Approvals

Approvals

ROHS	Conform
UL File Number Search	E60693

Creation date January 19, 2022 2:30:51 AM CET

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Technical data

Downloads

Approval/Certificate/Document of Conformity	EAC certificate NEMKO certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Beipackzettel_WDL.pdf StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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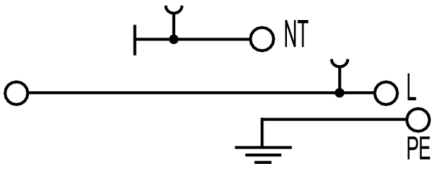
Drawings



WDL 2.5/S/NT/L/PE

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Accessories

2.5 mm²

Building installation wiring
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General ordering data

Type	WAP WDL2.5/S	Version
Order No.	1067700000	W-Series, End plate
GTIN (EAN)	4008190059316	
Qty.	20 pc(s).	

WS 8/5

WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS 8/5 MM WS	Version
Order No.	2007150000	WS, Terminal marker, 8 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392029	
Qty.	800 pc(s).	

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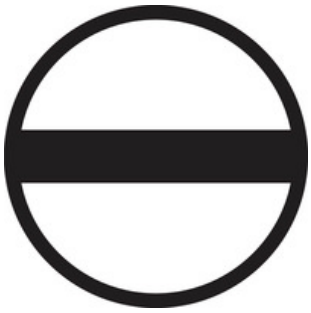
Accessories

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version
Order No.	9008330000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 pc(s).	

W-Series

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General ordering data

Type	WHP WDL2.5/S BL	Version
Order No.	1067980000	W-Series, Fixing plate
GTIN (EAN)	4008190022440	
Qty.	20 pc(s).	

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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).	

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 PrintJet CONNECT oder/or Plotter 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	WS 8/5 MC NE WS	Version
Order No.	1640740000	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190279103	Allen-Bradley, white
Qty.	720 pc(s).	

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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.	0348900000	Accessories, Busbar, Copper
GTIN (EAN)	4008190024802	
Qty.	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

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 NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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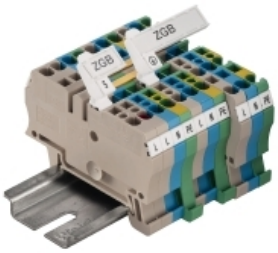
Accessories

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	ZGB 15	Version
Order No.	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	
Type	ZGB 30	Version
Order No.	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 pc(s).	

2.5 mm²

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General ordering data

Type	Q 3 WDL2.5S	Version
Order No.	1071600000	W-Series, Cross-connector, For the terminals, Number of poles: 3
GTIN (EAN)	4008190424923	
Qty.	50 pc(s).	
Type	Q 10 WDL2.5S	Version
Order No.	1071800000	W-Series, Cross-connector, For the terminals, Number of poles: 10
GTIN (EAN)	4008190424893	
Qty.	20 pc(s).	
Type	Q 20 WDL2.5S	Version
Order No.	1074200000	W-Series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4008190910501	
Qty.	20 pc(s).	
Type	Q 2 WDL2.5S	Version
Order No.	1071500000	W-Series, Cross-connector, For the terminals, Number of poles: 2
GTIN (EAN)	4008190424930	
Qty.	50 pc(s).	

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Accessories

Type	Q 4 WDL2.5S	Version
Order No.	1071700000	W-Series, Cross-connector, For the terminals, Number of poles: 4
GTIN (EAN)	4008190424916	
Qty.	50 pc(s).	

Mouser Electronics

Authorized Distributor

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Weidmuller:
1030600000