

WDU 2.5 SW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**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

Version	Feed-through terminal, Screw connection, 2.5 mm ² , 800 V, 24 A, black
Order No.	1020010000
Type	WDU 2.5 SW
GTIN (EAN)	4008 190297749
Qty.	100 pc(s).

Creation date August 1, 2021 3:58:37 AM CEST

Catalogue status 23.07.2021 / We reserve the right to make technical changes.

WDU 2.5 SW

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Technical data

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Height	60 mm	Height (inches)	2.362 inch
Width	5.1 mm	Width (inches)	0.201 inch
Weight	7.94 g	Net weight	7.47 g

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	550 V	Current (ATEX)	24 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	2.5 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

System specifications

Version	Screw connection, for plug-in cross-connector, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Cross-section for connected wire, solid, two clampable wires, max.	1.5 mm ²	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

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CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	20 A
Voltage size C (CSA)	600 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				
Clampable conductor	Connection specification	Cross-section for conductor connection	Screw connection		
			Type	solid, H05(07) V-U	
			min.	0.5 mm ²	
			max.	4 mm ²	
		nominal	2.5 mm ²		
		wire end ferrule	Stripping length	min.	10 mm
				max.	10 mm
				nominal	10 mm
			Tightening torque	min.	0.4 Nm
	max.			0.8 Nm	
	Recommended wire-end ferrule				
	Connection specification	Cross-section for conductor connection	Screw connection		
			Type	stranded, H07V-R	
			min.	1.5 mm ²	
			max.	4 mm ²	
		nominal	2.5 mm ²		
		wire end ferrule	Stripping length	min.	10 mm
				max.	10 mm
				nominal	10 mm
			Tightening torque	min.	0.4 Nm
	max.			0.8 Nm	
	Recommended wire-end ferrule				
	Connection specification	Cross-section for conductor connection	Screw connection		
			Type	flexible, H05(07) V-K	
min.			0.5 mm ²		
max.			2.5 mm ²		
nominal		2.5 mm ²			
wire end ferrule		Stripping length	min.	10 mm	
			max.	10 mm	
			nominal	10 mm	
		Tightening torque	min.	0.4 Nm	
	max.		0.8 Nm		
	Recommended wire-end ferrule				
Clamping range, max.	4 mm ²				
Clamping range, min.	0.05 mm ²				
Clamping screw	M 2.5				
Connection cross-section, stranded, max.	4 mm ²				
Connection cross-section, stranded, min.	1.5 mm ²				
Connection direction	on side				
Gauge to IEC 60947-1	A3				
Number of connections	2				
Stripping length	10 mm				
Tightening torque, max.	0.8 Nm				
Tightening torque, min.	0.4 Nm				

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Technical data

Torque level with DMS electric screwdriver	1
Twin wire-end ferrules, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²
Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30
Wire connection cross section, finely stranded, max.	4 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

Dimensions

TS 35 offset	29 mm
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General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated current	24 A	Current at maximum wires	32 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	8 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)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	28 AWG	Current size B (UR)	25 A
Current size C (UR)	25 A	UL_current_Print	25 A
UL_voltage_Print	600 V	UL_wire_max_Print	12 AWG
UL_wire_min_Print	30 AWG	Voltage size B (UR)	600 V
Voltage size C (UR)	600 V		

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Technical data

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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate CB Testreport CB Certificate EAC certificate DNVGL certificate NEMKO certificate INMETRO certificate Lloyds Register Certificate MARITREG Certificate POLSKIREJ certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity ATEX Certificate Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 2.5.pdf StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings



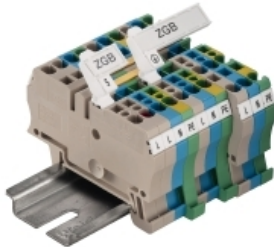
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Accessories

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).	

DEK 5/5



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	DEK 5/5 MM WS	Version
Order No.	2007110000	Dekafix, Terminal marker, 5 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118391862	
Qty.	800 pc(s).	

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Accessories

2.5-10 mm²

2.5-10
mm²

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Type	WAP 2.5-10 BL	Version
Order No.	1050080000	W-Series, End plate
GTIN (EAN)	4008190136611	
Qty.	50 pc(s).	
Type	WAP 16+35 WTW 2.5-10	Version
Order No.	1050100000	W-Series, End plate, Partition plate
GTIN (EAN)	4008190079901	
Qty.	20 pc(s).	
Type	WAP 16+35 WTW 2.5-10 BL	Version
Order No.	1050180000	W-Series, End plate, Partition plate
GTIN (EAN)	4008190013899	
Qty.	20 pc(s).	
Type	WAP 2.5-10	Version
Order No.	1050000000	W-Series, End plate
GTIN (EAN)	4008190103149	
Qty.	50 pc(s).	

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Accessories

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 12/5 MC NE WS	Version
Order No.	1609860000	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203481	Allen-Bradley, white
Qty.	720 pc(s).	

SchT group marker carrier



The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

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

General ordering data

Type	SCHT 7	Version
Order No.	0517960000	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
GTIN (EAN)	4008190001742	Weidmueller, white
Qty.	20 pc(s).	

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Accessories

W-Series



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	WTA 2 WDU2.5-10	Version
Order No.	1632320000	W-Series, Test adapter
GTIN (EAN)	4008190257347	
Qty.	25 pc(s).	
Type	WTA 2/ZA WDU2.5-10	Version
Order No.	1632330000	W-Series, Test adapter
GTIN (EAN)	4008190257330	
Qty.	25 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/20 RD
Order No.	2108920000
GTIN (EAN)	4050118485899
Qty.	20 pc(s).
Type	ZQV 2.5N/10
Order No.	1527690000
GTIN (EAN)	4050118447989
Qty.	20 pc(s).
Type	ZQV 2.5N/2 RD
Order No.	2108470000
GTIN (EAN)	4050118448542
Qty.	60 pc(s).
Type	ZQV 2.5N/4
Order No.	1527590000
GTIN (EAN)	4050118448443
Qty.	60 pc(s).

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Accessories

Type ZQV 2.5N/7
 Order No. [1527640000](#)
 GTIN (EAN) 4050118448412
 Qty. 20 pc(s).

Type ZQV 2.5N/5 RD
 Order No. [2108710000](#)
 GTIN (EAN) 4050118448511
 Qty. 20 pc(s).

Type ZQV 2.5N/3
 Order No. [1527570000](#)
 GTIN (EAN) 4050118448450
 Qty. 60 pc(s).

Type ZQV 2.5N/2 BL
 Order No. [1527740000](#)
 GTIN (EAN) 4050118448658
 Qty. 60 pc(s).

Type ZQV 2.5N/8 BL
 Order No. [1527840000](#)
 GTIN (EAN) 4050118448597
 Qty. 20 pc(s).

Type ZQV 2.5N/6 RD
 Order No. [2108720000](#)
 GTIN (EAN) 4050118448504
 Qty. 20 pc(s).

Type ZQV 2.5N/8 RD
 Order No. [2108870000](#)
 GTIN (EAN) 4050118448481
 Qty. 20 pc(s).

Type ZQV 2.5N/50
 Order No. [1527730000](#)
 GTIN (EAN) 4050118411362
 Qty. 5 pc(s).

Type ZQV 2.5N/9
 Order No. [1527680000](#)
 GTIN (EAN) 4050118447996
 Qty. 20 pc(s).

Type ZQV 2.5N/4 RD
 Order No. [2108700000](#)
 GTIN (EAN) 4050118448528
 Qty. 60 pc(s).

Type ZQV 2.5N/9 BL
 Order No. [1527870000](#)
 GTIN (EAN) 4050118448580
 Qty. 20 pc(s).

Type ZQV 2.5N/9 RD
 Order No. [2108900000](#)
 GTIN (EAN) 4050118448474
 Qty. 20 pc(s).

Type ZQV 2.5N/6
 Order No. [1527630000](#)
 GTIN (EAN) 4050118448429
 Qty. 20 pc(s).

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Accessories

Type ZQV 2.5N/6 BL
Order No. [1527820000](#)
GTIN (EAN) 4050118448610
Qty. 20 pc(s).

Type ZQV 2.5N/10 BL
Order No. [1527880000](#)
GTIN (EAN) 4050118448573
Qty. 20 pc(s).

Type ZQV 2.5N/5 BL
Order No. [1527790000](#)
GTIN (EAN) 4050118448627
Qty. 20 pc(s).

Type ZQV 2.5N/10 RD
Order No. [2108910000](#)
GTIN (EAN) 4050118486018
Qty. 20 pc(s).

Type ZQV 2.5N/20 BL
Order No. [1527890000](#)
GTIN (EAN) 4050118448566
Qty. 20 pc(s).

Type ZQV 2.5N/3 RD
Order No. [2108690000](#)
GTIN (EAN) 4050118448535
Qty. 60 pc(s).

Type ZQV 2.5N/50 BL
Order No. [1527920000](#)
GTIN (EAN) 4050118448559
Qty. 5 pc(s).

Type ZQV 2.5N/20
Order No. [1527720000](#)
GTIN (EAN) 4050118447972
Qty. 20 pc(s).

Type ZQV 2.5N/3 BL
Order No. [1527770000](#)
GTIN (EAN) 4050118448641
Qty. 60 pc(s).

Type ZQV 2.5N/7 BL
Order No. [1527830000](#)
GTIN (EAN) 4050118448603
Qty. 20 pc(s).

Type ZQV 2.5N/50 RD
Order No. [2109000000](#)
GTIN (EAN) 4050118486001
Qty. 5 pc(s).

Type ZQV 2.5N/2
Order No. [1527540000](#)
GTIN (EAN) 4050118448467
Qty. 60 pc(s).

Type ZQV 2.5N/4 BL
Order No. [1527780000](#)
GTIN (EAN) 4050118448634
Qty. 60 pc(s).

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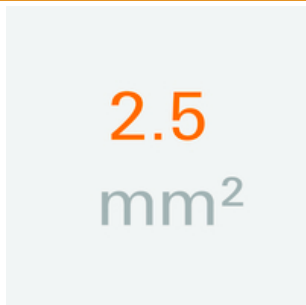
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Accessories

Type ZQV 2.5N/5
 Order No. [1527620000](#)
 GTIN (EAN) 4050118448436
 Qty. 20 pc(s).

Type ZQV 2.5N/7 RD
 Order No. [2108810000](#)
 GTIN (EAN) 4050118448498
 Qty. 20 pc(s).

Type ZQV 2.5N/8
 Order No. [1527670000](#)
 GTIN (EAN) 4050118448405
 Qty. 20 pc(s).

2.5 mm²

Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQV 2.5/10	Version
Order No.	1054460000	W-Series, Cross-connector, For the terminals, Number of poles: 10
GTIN (EAN)	4008190135089	
Qty.	20 pc(s).	
Type	WQV 2.5/4	Version
Order No.	1053860000	W-Series, Cross-connector, For the terminals, Number of poles: 4
GTIN (EAN)	4008190049706	
Qty.	50 pc(s).	
Type	WQV 2.5/2	Version
Order No.	1053660000	W-Series, Cross-connector, For the terminals, Number of poles: 2
GTIN (EAN)	4008190031121	
Qty.	50 pc(s).	
Type	WQV 2.5/3	Version
Order No.	1053760000	W-Series, Cross-connector, For the terminals, Number of poles: 3
GTIN (EAN)	4008190058999	
Qty.	50 pc(s).	

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Accessories

WS 12/5



WS/ DEK

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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 12/5 MM WS	Version
Order No.	2007190000	WS, Terminal marker, 12 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392036	
Qty.	800 pc(s).	

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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).	

Blank



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers.

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	WAD 5 MC NE WS	Version
Order No.	1112910000	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 white
GTIN (EAN)	4032248891689	
Qty.	48 pc(s).	
Type	WAD 5 MC NE GE	Version
Order No.	1112920000	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 yellow
GTIN (EAN)	4032248891771	
Qty.	48 pc(s).	

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Accessories

Testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	STB 8.5/D4/2.3/M2.5 AKZ	Version
Order No.	0215700000	Accessories, Socket
GTIN (EAN)	4008190184872	
Qty.	50 pc(s).	

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).	

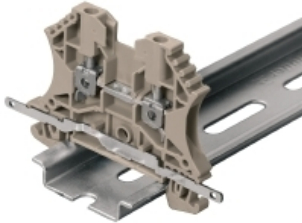
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Weidmüller Interface GmbH & Co. KG
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 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

Shielding connection



Shielding and earthing

Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.

General ordering data

Type	LS 2.8 WDU2.5-10	Version
Order No.	1056400000	W-Series, Shield bus
GTIN (EAN)	4008190036454	
Qty.	100 pc(s).	

WQB

General ordering data

Type	WQB B/6	Version
Order No.	1579040000	W-Series, Cross-connector, For the terminals, Number of poles: 6
GTIN (EAN)	4008190081041	
Qty.	20 pc(s).	
Type	WQB B/3	Version
Order No.	1579020000	W-Series, Cross-connector, For the terminals, Number of poles: 3
GTIN (EAN)	4008190062392	
Qty.	50 pc(s).	
Type	WQB B/2	Version
Order No.	1579010000	W-Series, Cross-connector, For the terminals, Number of poles: 2
GTIN (EAN)	4008190021696	
Qty.	50 pc(s).	
Type	WQB B/24	Version
Order No.	1579060000	W-Series, Cross-connector, For the terminals, Number of poles: 24
GTIN (EAN)	4008190188597	
Qty.	20 pc(s).	
Type	WQB B/10	Version
Order No.	1579050000	W-Series, Cross-connector, For the terminals, Number of poles: 10
GTIN (EAN)	4008190094508	
Qty.	20 pc(s).	

Data sheet

WDU 2.5 SW

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Type	WQB B/4	Version	
Order No.	1579030000	W-Series, Cross-connector, For the terminals, Number of poles: 4	
GTIN (EAN)	4008190185046		
Qty.	50 pc(s).		

W-Series



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Type	WTW EN	Version	
Order No.	1058800000	W-Series, Partition plate	
GTIN (EAN)	4008190140175		
Qty.	20 pc(s).		

Mouser Electronics

Authorized Distributor

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