WDU 2.5/10 BEZ/NE

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 easer 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 mm², 500 V, 24 A, dark beige
Order No.	1020800000
Type	WDU 2.5/10 BEZ/NE
GTIN (EAN)	4008190133368
Qty.	10 pc(s).

Creation date January 18, 2022 5:02:15 PM CET

WDU 2.5/10 BEZ/NE

Technical data

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Height	60 mm	Height (inches)	2.362 inch
Width	51 mm	Width (inches)	2.008 inch
Weight	84.4 g	Net weight	77.8 g

Temperatures

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

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	24 A
Wire cross section max. (ATEX)	2.5 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	2.5 mm²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

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

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	10
Open sides	right	Type of mounting	Snap-on

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		

Creation date January 18, 2022 5:02:15 PM CET

WDU 2.5/10 BEZ/NE

Technical data

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²

Conductors for clamping (rated connection)

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.	10 mm
			max.	10 mm
			nominal	10 mm
		Tightening torque	min.	0.4 Nm
			max.	0.8 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.	10 mm
			max.	10 mm
			nominal	10 mm
		Tightening torque	min.	0.4 Nm
			max.	0.8 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.	2.5 mm²	
		nominal	2.5 mm²	
	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, min.	0.05 mm²
Clamping screw	M 2.5
Connection direction	on side
Number of connections	2
Stripping length	10 mm
Torque level with DMS electric screwdriver	1
Twin wire-end ferrules, max.	1.5 mm²
Twin wire-end ferrules, min.	0.5 mm²
Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30

Creation date January 18, 2022 5:02:15 PM CET

Weidmüller

WDU 2.5/10 BEZ/NE

Technical data

Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²
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.	0.25 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.	0.5 mm²
Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.5 mm²

General

Rail	TS 35	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30		

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated current	24 A	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W		

Classifications

ETIM 6.0	EC001284	ETIM 7.0	EC001284
ETIM 8.0	EC001284	ECLASS 9.0	27-14-11-06
ECLASS 9.1	27-14-11-06	ECLASS 10.0	27-14-11-06
ECLASS 11.0	27-14-11-06		

Approvals

Approvals

ROHS	Conform

Creation date January 18, 2022 5:02:15 PM CET

WDU 2.5/10 BEZ/NE

Technical data

Downloads

Approval/Certificate/Document of Conformity	IECEx Certificate CB Testreport CB Certificate EAC certificate CCC Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

Creation date January 18, 2022 5:02:15 PM CET

WDU 2.5/10 BEZ/NE

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).		

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).		

Creation date January 18, 2022 5:02:15 PM CET

Weidmüller

WDU 2.5/10 BEZ/NE

Accessories

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).		

WQB

General ordering data

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).		
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/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/6	Version	
Order No.	1579040000	W-Series, Cross-connector, For the terminals, Number of poles: 6	
GTIN (EAN)	4008190081041		
Qty.	20 pc(s).		

Creation date January 18, 2022 5:02:15 PM CET

Weidmüller ⅀

WDU 2.5/10 BEZ/NE

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

www.weidmueller.com

Accessories

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).		

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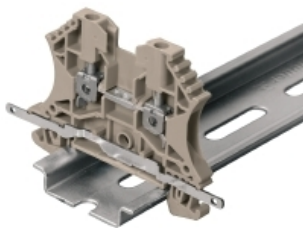
Shielding and earthing
Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.

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).		

Testsockets

STB

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).		

Creation date January 18, 2022 5:02:15 PM CET

WDU 2.5/10 BEZ/NE

Accessories

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).		

WS 12/5

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

Creation date January 18, 2022 5:02:15 PM CET

Weidmüller ⋺⋲

WDU 2.5/10 BEZ/NE

Accessories

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).		

2.5 mm²
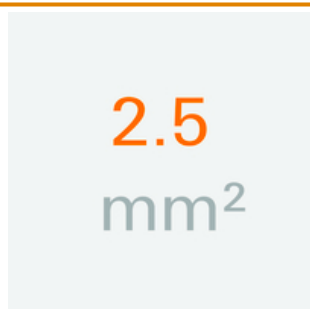
Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQV 2.5/3	Version	
Order No.	1053760000	W-Series, Cross-connector, For the terminals, Number of poles: 3	
GTIN (EAN)	4008190058999		
Qty.	50 pc(s).		
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).		

Creation date January 18, 2022 5:02:15 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

10

Weidmüller ⧓

WDU 2.5/10 BEZ/NE

Accessories

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).		

Step-down bridges

Reducing cross-connectors enable simple and fast connection of terminal blocks with different rated cross-sections.

General ordering data

Type	WQV 16-2.5	Version	
Order No.	1063900000	W-Series, Cross-connector, For the terminals, Number of poles: 2	
GTIN (EAN)	4008190112158		
Qty.	10 pc(s).		

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 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 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).		

Creation date January 18, 2022 5:02:15 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

11

WDU 2.5/10 BEZ/NE

Accessories

Type	WAP 2.5-10	Version	
Order No.	1050000000	W-Series, End plate	
GTIN (EAN)	4008190103149		
Qty.	50 pc(s).		

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/ZA WDU2.5-10	Version	
Order No.	1632330000	W-Series, Test adapter	
GTIN (EAN)	4008190257330		
Qty.	25 pc(s).		
Type	WTA 2 WDU2.5-10	Version	
Order No.	1632320000	W-Series, Test adapter	
GTIN (EAN)	4008190257347		
Qty.	25 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 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).		

Creation date January 18, 2022 5:02:15 PM CET

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller](#):
  [1020800000](#)