

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal block, Screw connection, 2.5 mm ² , 500 V, 24 A, Number of connections: 2
Order No.	2896070000
Type	WDU 2.5N ZQV SW
GTIN (EAN)	4064675892021
Qty.	100 pc(s).

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Technical data**Dimensions and weights**

Depth	37 mm	Depth (inches)	1.457 inch
Height	44 mm	Height (inches)	1.732 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	5.34 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, for plug-in cross-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	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	No	Open sides	right
Snap-on	Yes	Type of fixing	TS 35
Type of mounting	TS 35		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.05 mm ²	Clamping screw	M 2.5
Connection cross-section, stranded, max.	0.5 mm ²	Connection cross-section, stranded, min.	4 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	2	Stripping length	10 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
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, min.	1.5 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.	0.25 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

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	500 V
Rated DC voltage	500 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	6 kV
Pollution severity	3	Surge voltage category	III

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01

Environmental Product Compliance

REACH SVHC	/
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Downloads

Approval/Certificate/Document of Conformity	CE Declaration of Conformity
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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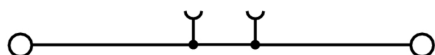
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Drawings



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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).	

W-Series



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	WAD 4 WS	Version
Order No.	1072100000	Terminal cover, PA 66, white, Height: 19.8 mm, Width: 4.5 mm,
GTIN (EAN)	4008190446116	Depth: 9.6 mm
Qty.	50 pc(s).	
Type	WAD 4 GE BED	Version
Order No.	1072000000	Terminal cover, PA 66, yellow, Height: 19.8 mm, Width: 4.5 mm,
GTIN (EAN)	4008190446109	Depth: 9.6 mm
Qty.	50 pc(s).	

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Accessories

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).	

2.5/4 mm²

2.5/4
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 WDU2.5N/4N	Version
Order No.	1060000000	End plate (terminals), 44 mm x 1.5 mm, dark beige
GTIN (EAN)	4008190149154	
Qty.	50 pc(s).	
Type	WAP WDU2.5N/4N BL	Version
Order No.	1060080000	End plate (terminals), 44 mm x 1.5 mm, blue
GTIN (EAN)	4008190097172	
Qty.	50 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 1 WDU1.5	Version
Order No.	1632290000	Test adapter (terminal), 1.5 mm ² , 250 V, 6 A
GTIN (EAN)	4008190257361	
Qty.	25 pc(s).	
Type	WTA 1/ZA WDU1.5	Version
Order No.	1632300000	Test adapter (terminal), 1.5 mm ² , 250 V, 6 A
GTIN (EAN)	4008190257354	
Qty.	25 pc(s).	

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.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	

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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.

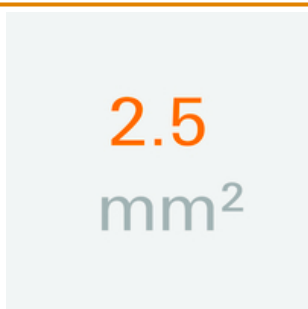
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- 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

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/3 BL	Version
Order No.	1527770000	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118448641	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	60 pc(s).	
Type	ZQV 2.5N/6	Version
Order No.	1527630000	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4050118448429	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	20 pc(s).	
Type	ZQV 2.5N/2	Version
Order No.	1527540000	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118448467	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	60 pc(s).	

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Accessories

Type	ZQV 2.5N/7	Version
Order No.	1527640000	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4050118448412	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	20 pc(s).	
Type	ZQV 2.5N/5 RD	Version
Order No.	2108710000	Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm
GTIN (EAN)	4050118448511	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	20 pc(s).	
Type	ZQV 2.5N/7 BL	Version
Order No.	1527830000	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4050118448603	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	20 pc(s).	
Type	ZQV 2.5N/9	Version
Order No.	1527680000	Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm
GTIN (EAN)	4050118447996	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	20 pc(s).	
Type	ZQV 2.5N/4	Version
Order No.	1527590000	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118448443	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	60 pc(s).	
Type	ZQV 2.5N/10 BL	Version
Order No.	1527880000	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4050118448573	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	20 pc(s).	
Type	ZQV 2.5N/2 BL	Version
Order No.	1527740000	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118448658	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	60 pc(s).	
Type	ZQV 2.5N/20 BL	Version
Order No.	1527890000	Cross-connector (terminal), Plugged, Number of poles: 20, Pitch in mm
GTIN (EAN)	4050118448566	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	20 pc(s).	
Type	ZQV 2.5N/50 BL	Version
Order No.	1527920000	Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm
GTIN (EAN)	4050118448559	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	5 pc(s).	
Type	ZQV 2.5N/20 RD	Version
Order No.	2108920000	Cross-connector (terminal), Plugged, Number of poles: 20, Pitch in mm
GTIN (EAN)	4050118485899	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	20 pc(s).	
Type	ZQV 2.5N/4 BL	Version
Order No.	1527780000	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118448634	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 RD	Version
Order No.	2108470000	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118448542	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	60 pc(s).	
Type	ZQV 2.5N/7 RD	Version
Order No.	2108810000	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4050118448498	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	20 pc(s).	

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Accessories

Type	ZQV 2.5N/8	Version
Order No.	1527670000	Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm
GTIN (EAN)	4050118448405	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	20 pc(s).	
Type	ZQV 2.5N/10	Version
Order No.	1527690000	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4050118447989	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	20 pc(s).	
Type	ZQV 2.5N/6 BL	Version
Order No.	1527820000	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4050118448610	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	20 pc(s).	
Type	ZQV 2.5N/50	Version
Order No.	1527730000	Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm
GTIN (EAN)	4050118411362	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	5 pc(s).	
Type	ZQV 2.5N/8 RD	Version
Order No.	2108870000	Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm
GTIN (EAN)	4050118448481	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	20 pc(s).	
Type	ZQV 2.5N/5 BL	Version
Order No.	1527790000	Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm
GTIN (EAN)	4050118448627	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	20 pc(s).	
Type	ZQV 2.5N/10 RD	Version
Order No.	2108910000	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4050118486018	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	20 pc(s).	
Type	ZQV 2.5N/3 RD	Version
Order No.	2108690000	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118448535	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	60 pc(s).	
Type	ZQV 2.5N/5	Version
Order No.	1527620000	Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm
GTIN (EAN)	4050118448436	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	20 pc(s).	
Type	ZQV 2.5N/50 RD	Version
Order No.	2109000000	Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm
GTIN (EAN)	4050118486001	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	5 pc(s).	
Type	ZQV 2.5N/6 RD	Version
Order No.	2108720000	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4050118448504	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	20 pc(s).	
Type	ZQV 2.5N/4 RD	Version
Order No.	2108700000	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118448528	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	60 pc(s).	
Type	ZQV 2.5N/9 RD	Version
Order No.	2108900000	Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm
GTIN (EAN)	4050118448474	(P): 5.10, Insulated: Yes, 24 A, red
Qty.	20 pc(s).	

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Type	ZQV 2.5N/20	Version
Order No.	1527720000	Cross-connector (terminal), Plugged, Number of poles: 20, Pitch in mm
GTIN (EAN)	4050118447972	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	20 pc(s).	
Type	ZQV 2.5N/9 BL	Version
Order No.	1527870000	Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm
GTIN (EAN)	4050118448580	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	20 pc(s).	
Type	ZQV 2.5N/8 BL	Version
Order No.	1527840000	Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm
GTIN (EAN)	4050118448597	(P): 5.10, Insulated: Yes, 24 A, blue
Qty.	20 pc(s).	
Type	ZQV 2.5N/3	Version
Order No.	1527570000	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118448450	(P): 5.10, Insulated: Yes, 24 A, orange
Qty.	60 pc(s).	