

WDK 2.5 ZQV WS**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, Double-tier terminal, Screw connection, 2.5 mm ² , 400 V, 24 A, white
Order No.	1068030000
Type	WDK 2.5 ZQV WS
GTIN (EAN)	4032248822140
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Depth including DIN rail	63 mm	Height	69 mm
Height (inches)	2.717 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	12.5 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	white
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO15ATEX1346U	Certificate No. (IECEx)	IECExULD15.0003U
Max. voltage (ATEX)	275 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEx)	275 V
Current (IECEx)	21 A	Wire cross section max. (IECEx)	4 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, One end without connector	End cover plate required	Yes
Number of potentials	2	Number of levels	2
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)

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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Technical data

CSA rating data

Certificate No. (CSA)	12400-391	Current size C (CSA)	25 A
Voltage size C (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	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	4	Stripping length	10 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 30
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross section, finely stranded, min.	0.5 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.	0.5 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	35.5 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	400 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	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)	22 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size B (UR)	20 A
Current size C (UR)	20 A	Voltage size B (UR)	300 V
Voltage size C (UR)	300 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 ATEX Certificate CB Test Certificate CB Certificate EAC certificate DNVGL certificate POLSKIREJ certificate EAC EX Certificate CCC Ex 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	StorageConditionsTerminalBlocks NTI WDK 2.5 ZQV
Catalogues	Catalogues in PDF-format

WDK 2.5 ZQV WS

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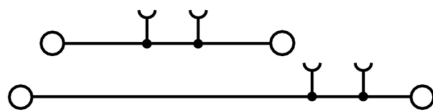
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Drawings



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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).	

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/2 BL
Order No.	1527740000
GTIN (EAN)	4050118448658
Qty.	60 pc(s).

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

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

Type	ZQV 2.5N/20 RD
Order No.	2108920000
GTIN (EAN)	4050118485899
Qty.	20 pc(s).

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

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Accessories

Type ZQV 2.5N/10
 Order No. [1527690000](#)
 GTIN (EAN) 4050118447989
 Qty. 20 pc(s).

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

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

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

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

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

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

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

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

Type ZQV 2.5N/4
 Order No. [1527590000](#)
 GTIN (EAN) 4050118448443
 Qty. 60 pc(s).

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

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

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

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Accessories

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

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

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

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

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

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

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

Type ZQV 2.5N/6 RD
 Order No. [2108720000](#)
 GTIN (EAN) 4050118448504
 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/7 RD
 Order No. [2108810000](#)
 GTIN (EAN) 4050118448498
 Qty. 20 pc(s).

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

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

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Accessories

Type	ZQV 2.5N/2 RD
Order No.	2108470000
GTIN (EAN)	4050118448542
Qty.	60 pc(s).

Type	ZQV 2.5N/5 RD
Order No.	2108710000
GTIN (EAN)	4050118448511
Qty.	20 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).	

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
Order No.	1072100000
GTIN (EAN)	4008190446116
Qty.	50 pc(s).
Type	WAD 4 GE BED
Order No.	1072000000
GTIN (EAN)	4008190446109
Qty.	50 pc(s).

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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).	

2.5 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 WDK2.5	Version
Order No.	1059100000	W-Series, End plate
GTIN (EAN)	4008190101954	
Qty.	20 pc(s).	

Type	WAP WDK2.5 BL	Version
Order No.	1059180000	W-Series, End plate
GTIN (EAN)	4008190081089	
Qty.	20 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).	

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

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 4N/ZA WDK 2.5	Version
Order No.	1879350000	W-Series, Test adapter
GTIN (EAN)	4032248503261	
Qty.	25 pc(s).	
Type	WTA 4N WDK 2.5	Version
Order No.	1878660000	W-Series, Test adapter
GTIN (EAN)	4032248503285	
Qty.	25 pc(s).	

Test plugs



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	PS_ZQV_SET	Version
Order No.	1116710000	Accessories, Test plug
GTIN (EAN)	4032248911455	
Qty.	1 pc(s).	
Type	PS_ZQV	Version
Order No.	1121740000	Accessories, Test plug
GTIN (EAN)	4032248902675	
Qty.	1 pc(s).	

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www.weidmueller.com**Accessories****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).	

Mouser Electronics

Authorized Distributor

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[1068030000](#)