

W-Series
WDK 2.5 ZQV SW**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

Type	WDK 2.5 ZQV SW
Order No.	1067940000
Version	Feed-through terminal, Double-tier terminal, Screw connection, 2.5 mm ² , 400 V, 24 A, black
GTIN (EAN)	4032248821990
Qty.	100 pc(s).

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Technical data**Dimensions and weights**

Width	5.1 mm	Width (inches)	0.201 inch
Height	69 mm	Height (inches)	2.717 inch
Depth including DIN rail	63 mm	Net weight	12.55 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °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)	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 eb II C Gb
Ex 2014/34/EU label	II 2 G D		

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, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two 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 with wire-end ferrules DIN 46228/1, 2 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 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, finely stranded, 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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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
Power loss in accordance with IEC 60947-7-x	0.77 W	Rated impulse withstand voltage	6 kV
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		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20		

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Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate DE_PT1001_20160418_686_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	StorageConditionsTerminalBlocks NTI WDK 2.5 ZQV

Safety note

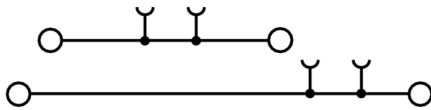
Safety notice [Safety Information](#)

Data sheet

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Drawings



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Accessories

Partition plates



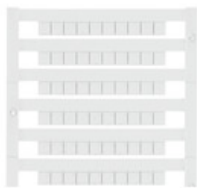
Klippon® Connect with clamping yoke Technology

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

Type	WTW EN	Version
Order No.	105880000	W-Series, Separation plate
GTIN (EAN)	4008190140175	
Qty.	20 pc(s).	

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**ZQV 2.5N****Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

General ordering data

Type	ZQV 2.5N/10
Order No.	1527690000
GTIN (EAN)	4050118447989
Qty.	20 pc(s).
Type	ZQV 2.5N/5 RD
Order No.	2108710000
GTIN (EAN)	4050118448511
Qty.	20 pc(s).
Type	ZQV 2.5N/7 RD
Order No.	2108810000
GTIN (EAN)	4050118448498
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).
Type	ZQV 2.5N/3 BL
Order No.	1527770000
GTIN (EAN)	4050118448641
Qty.	60 pc(s).
Type	ZQV 2.5N/20
Order No.	1527720000
GTIN (EAN)	4050118447972
Qty.	20 pc(s).
Type	ZQV 2.5N/6 RD
Order No.	2108720000
GTIN (EAN)	4050118448504
Qty.	20 pc(s).
Type	ZQV 2.5N/20 BL
Order No.	1527890000
GTIN (EAN)	4050118448566
Qty.	20 pc(s).
Type	ZQV 2.5N/4 RD
Order No.	2108700000
GTIN (EAN)	4050118448528
Qty.	60 pc(s).

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Accessories

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

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

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

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

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

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

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

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

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

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

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

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

Type ZQV 2.5N/20 RD
 Order No. [2108920000](#)
 GTIN (EAN) 4050118485899
 Qty. 20 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 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/2 BL
Order No. [1527740000](#)
GTIN (EAN) 4050118448658
Qty. 60 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/5
Order No. [1527620000](#)
GTIN (EAN) 4050118448436
Qty. 20 pc(s).

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

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

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

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Accessories

Covers



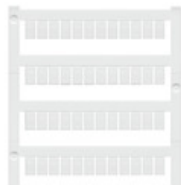
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General ordering data

Type WAD 4 GE BED
 Order No. [1072000000](#)
 GTIN (EAN) 4008190446109
 Qty. 50 pc(s).

Type WAD 4 WS
 Order No. [1072100000](#)
 GTIN (EAN) 4008190446116
 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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo 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

ZQV 2.5N



Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

Type	ZQV 2.5N/3 GE	Version
Order No.	1693810000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883645	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 pc(s).	
Type	ZQV 2.5N/10 GE	Version
Order No.	1693880000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883720	
Qty.	20 pc(s).	
Type	ZQV 2.5N/20 GE	Version
Order No.	1909000000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4032248535613	
Qty.	20 pc(s).	
Type	ZQV 2.5N/4 GE	Version
Order No.	1693820000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883652	
Qty.	60 pc(s).	

End plates



Klippon® Connect with clamping yoke Technology

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General ordering data

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

Data sheet

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Accessories

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

End brackets



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	WEW 35/2	Version
Order No.	1061200000	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	100 pc(s).	

Shielding bus



Klippon® Connect with clamping yoke Technology

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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).	