

WTR 2.5 RT**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	Test-disconnect terminal, Screw connection, 2.5 mm², 500 V, 24 A, Pivoting, red
Order No.	1950680000
Type	WTR 2.5 RT
GTIN (EAN)	4032248672172
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Depth	48 mm	Depth (inches)	1.89 inch
Depth including DIN rail	49 mm	Height	60 mm
Height (inches)	2.362 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	9.03 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	red
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1389U	Certificate No. (IECEX)	IECEXUL14.0097U
Max. voltage (ATEX)	500 V	Current (ATEX)	24 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	500 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	2.5 mm ²
Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 3 G D

System specifications

Version	Screw connection, Spacer, for plug-in cross- connector, 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)

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	No	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	154685-1 152890	Current size C (CSA)	10 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

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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, 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	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, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

Dimensions

TS 35 offset	32 mm
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Disconnect terminals

Cross-disconnect	without	Integral test socket	No
Slitting	Pivoting		

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 current	24 A	Current at maximum wires	24 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)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	30 AWG	Current size C (UR)	20 A
Voltage size C (UR)	600 V		

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Technical data

Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	EC000902	ECLASS 9.0	27-14-11-26
ECLASS 9.1	27-14-11-26	ECLASS 10.0	27-14-11-26
ECLASS 11.0	27-14-11-26		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity 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 WTR 2.5
Catalogues	Catalogues in PDF-format

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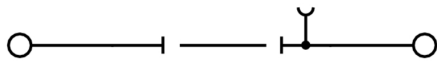
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Drawings



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Accessories

WQB

General ordering data

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).	
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/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/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/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).	

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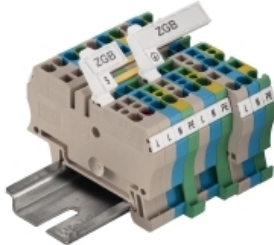
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Accessories

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).	

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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Accessories

Blank



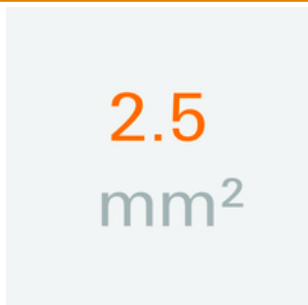
WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, 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).	

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 RD
Order No.	2108710000
GTIN (EAN)	4050118448511
Qty.	20 pc(s).
Type	ZQV 2.5N/9 BL
Order No.	1527870000
GTIN (EAN)	4050118448580
Qty.	20 pc(s).
Type	ZQV 2.5N/50
Order No.	1527730000
GTIN (EAN)	4050118411362
Qty.	5 pc(s).

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Accessories

Type	ZQV 2.5N/50 BL
Order No.	1527920000
GTIN (EAN)	4050118448559
Qty.	5 pc(s).
Type	ZQV 2.5N/7 BL
Order No.	1527830000
GTIN (EAN)	4050118448603
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/5 BL
Order No.	1527790000
GTIN (EAN)	4050118448627
Qty.	20 pc(s).
Type	ZQV 2.5N/8 RD
Order No.	2108870000
GTIN (EAN)	4050118448481
Qty.	20 pc(s).
Type	ZQV 2.5N/9
Order No.	1527680000
GTIN (EAN)	4050118447996
Qty.	20 pc(s).
Type	ZQV 2.5N/7 RD
Order No.	2108810000
GTIN (EAN)	4050118448498
Qty.	20 pc(s).
Type	ZQV 2.5N/4
Order No.	1527590000
GTIN (EAN)	4050118448443
Qty.	60 pc(s).
Type	ZQV 2.5N/20 BL
Order No.	1527890000
GTIN (EAN)	4050118448566
Qty.	20 pc(s).
Type	ZQV 2.5N/8
Order No.	1527670000
GTIN (EAN)	4050118448405
Qty.	20 pc(s).
Type	ZQV 2.5N/4 RD
Order No.	2108700000
GTIN (EAN)	4050118448528
Qty.	60 pc(s).
Type	ZQV 2.5N/6 BL
Order No.	1527820000
GTIN (EAN)	4050118448610
Qty.	20 pc(s).

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Accessories

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

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

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

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

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

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

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

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

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

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

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

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

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

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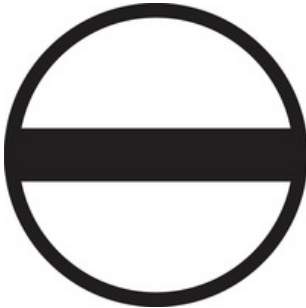
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www.weidmueller.com**Accessories**

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

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

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

Slotted screwdriver

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1.
SoftFinish grip

General ordering data

Type	SDIZ 0.6X3.5X100	Version
Order No.	9008450000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4032248056446	thickness (A): 0.6 mm
Qty.	1 pc(s).	

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www.weidmueller.com**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).	

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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).	

BE6.3 bits - slotted

1/4" hexagon drive to DIN 3126, form E6.3 for direct machine connection

Slot-head bits DIN 5264, 1/4" drive, E6.3 DIN 3126



General ordering data

Type	BIT E6.3Z 0.6X3.5X70	Version
Order No.	9205670000	Accessories, Screwdriver insert
GTIN (EAN)	4032248772971	
Qty.	5 pc(s).	

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Accessories

Fuse holder



The fuse holder SIHA quickly turns a disconnect terminal into a fuse terminal: simply remove the disconnect lever and attach the fuse unit.

General ordering data

Type	SIHA 3/G20	Version
Order No.	7921560000	Accessories, Fuse holder, Rated cross-section: Plug-in connection,
GTIN (EAN)	4032248264643	Wemid, dark beige, Operating instructions/catalogue
Qty.	25 pc(s).	

Custom printing



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.

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- Markers in proven MultiCard format

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General ordering data

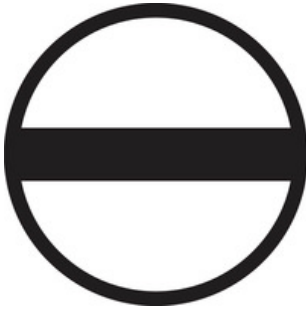
Type	WS 12/3.5 MC SDR	Version
Order No.	1778280000	WS, Terminal marker, 12 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248161058	Weidmueller, Allen-Bradley, To customer specification
Qty.	120 pc(s).	

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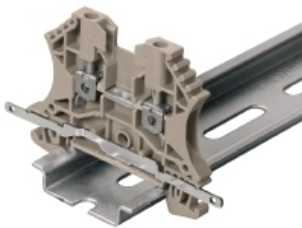
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www.weidmueller.com**Accessories****Slotted screwdriver**

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version
Order No.	9008330000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 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).	

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www.weidmueller.com**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 2.5-10	Version
Order No.	1050000000	W-Series, End plate
GTIN (EAN)	4008190103149	
Qty.	50 pc(s).	

Mouser Electronics

Authorized Distributor

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