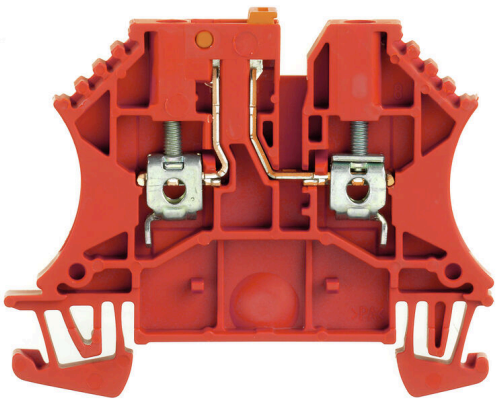
Data sheet

WTR 2.5 RT

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

www.weidmueller.com

Product image



In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

General ordering data

Version	Test-disconnect terminal, Screw connection, red, 2.5 mm², 24 A, 500 V, Number of connections: 2, Number of levels: 1
Order No.	1950680000
Type	WTR 2.5 RT
GTIN (EAN)	4032248672172
Qty.	100 items

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Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	48 mm	Depth (inches)	1.8898 inch
Depth including DIN rail	49 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	9.03 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic 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)	21 A
Wire cross section max. (ATEX)	2.5 mm²	Max. voltage (IECEX)	500 V
Current (IECEX)	21 A	Wire cross section max. (IECEX)	2.5 mm²
Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 3 G

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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

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Technical data

Additional technical data

Open sides	right	Explosion-tested version	No
Type of mounting	Snap-on		

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	10 A	Certificate No. (CSA)	154685-1152890
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 12
Connection direction	on side	Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.4 Nm	Stripping length	10 mm
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	2	Clamping range, max.	4 mm²
Clamping range, min.	0.05 mm²	Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 30
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.05 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.	0.05 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.05 mm²	Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, min.	0.05 mm²	Torque level with DMS electric screwdriver	1
Wire connection cross-section, solid core, max.	4 mm²	Wire connection cross-section, solid core, min.	0.05 mm²
Connection cross-section, finely stranded, min.	0.05 mm²		

Dimensions

TS 35 offset	32 mm

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal 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

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Technical data

Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	12 AWG	Current size C (UR)	20 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	30 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	30 AWG
Conductor size Field wiring max. (UR)	12 AWG		

Classifications

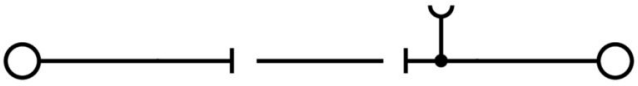
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ETIM 10.0	EC000902	ECLASS 14.0	27-25-01-09
ECLASS 15.0	27-25-01-09		

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Drawings



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