W-Series
WTR 2.5 RT

Weidmüller Interface GmbH & Co. KG
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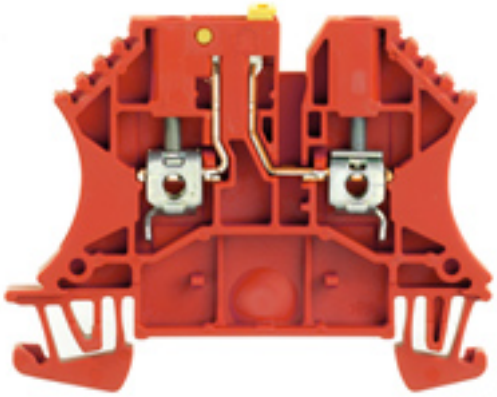

The versatile and extensive range of products - from 0.05 mm² to 300 mm² - means that you have diverse options for your applications at your disposal.
Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been tested to current environment guidelines.

General ordering data

Order No.	1950680000
Type	WTR 2.5 RT
Version	W-Series, Test-disconnect terminal, Screw connection
GTIN (EAN)	4032248672172
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Length	60 mm	Width	5.1 mm
Height	48 mm	Height of lowest version	49 mm
Net weight	9.29 g		

Temperatures

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

2 clampable wires (H05V/H07V) same cross-section (rated connection)

Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm²

Additional technical data

Explosion-tested version	No	Open sides	right
Type of mounting	Snap-on	Version	Screw connection, Disconnection element, for plug-in cross-connector, One end without connector

CSA ratings data

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

Clampable wires (rated connection)

Type of connection	Screw connection	Blade size	0.6 x 3.5 mm
Connection direction	on side	Clamping range, rated connection, min.	0.05 mm²
Clamping range, rated connection, max.	4 mm²	Clamping screw	M 2.5
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.8 Nm
Torque level with DMS electric screwdriver	1	Gauge to IEC 60947-1	A3
Wire connection cross section, solid core, max. rated connection	0.5 mm²	Wire connection cross section, solid core max. rated connection	4 mm²
Wire connection cross section, stranded, rated connection, min.	1.5 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross-section, finely stranded, min.	0.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm²	Wire connection cross section AWG, min.	AWG 30
Wire connection cross section AWG, max.	AWG 12		

Dimensions

TS 35 offset	32 mm

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Disconnect terminals

Tightening torque, max.	0.8 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1		

Rated data

Rated voltage	500 V	Rated impulse withstand voltage	6 kV
Rated current	24 A	Current at maximum wires	24 A
Standards	IEC 60947-7-1	Pollution severity	3

UL ratings data

Certificate No. (UR)	E60693VOL1SEC68	Voltage size C (UR)	600 V
Current size C (UR)	20 A	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG

Material data

Material	Wemid	Colour	Red
UL 94 flammability rating	V-0		

System specifications

Product family	W-Series	Type of connection	Screw connection
Connection direction	on side	Levels cross-connected internally	No
Mounting rail	TS 35	End cover plate required	Yes

Classifications

ETIM 3.0	EC000902	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-26	eClass 6.2	27-14-11-26
eClass 7.1	27-14-11-26		

Product information

Descriptive text technical data	2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Approvals

Approvals	
ROHS	Conform