W-Series
WTR 2.5/O.TNHE

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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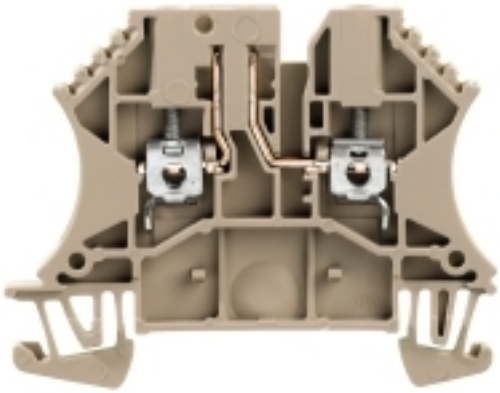

The versatile and extensive range of products - from 0.05 mm² to 300 mm² - means that you have diverse options for your applications at your disposal.
Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been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

General ordering data

Type	WTR 2.5/O.TNHE
Order No.	8731700000
Version	W-Series, Test-disconnect terminal, Rated cross-section: 2.5 mm², Screw connection
GTIN (EAN)	4032248404889
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Width	5.1 mm	Height	60 mm
Depth	48 mm	Net weight	7.64 g

Temperatures

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

Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of levels	1	No. of clamping points per level	2
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35		

2 clampable conductors (H05V/H07V) with equal 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		

CSA rating data

Certificate No. (CSA)	154685-1152890	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		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²

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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	4 mm²
Clamping range, rated connection, min.	0.05 mm²	Clamping screw	M 2.5
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 with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 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, max.	4 mm²	Wire connection cross section, solid core max. rated connection	4 mm²
Wire connection cross section, solid core, min. rated connection	0.5 mm²	Wire connection cross section, stranded, rated connection, max.	4 mm²
Wire connection cross section, stranded, rated connection, min.	1.5 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²

Dimensions

TS 35 offset	30 mm

Disconnect terminals

Cross-disconnect	without	Integral test socket	No
Slitting	without		

Rating data

Rated cross-section	2.5 mm²	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	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		

Classifications

ETIM 3.0	EC000902	ETIM 4.0	EC000902
ETIM 5.0	EC000902	ETIM 6.0	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
eClass 8.1	27-14-11-26	eClass 9.0	27-14-11-26

Product information

Descriptive text technical data	2.5 mm² conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).

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Technical data

Approvals

Approvals	
ROHS	Conform