

## W terminal WTR 2.5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com



The versatile and extensive range of products - from 0.05 mm<sup>2</sup> to 300 mm<sup>2</sup> - 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.	<a href="#">1855610000</a>
Type	WTR 2.5
Version	W terminal, Test-disconnect terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection
EAN	4032248458417
Qty.	100 pc(s).

**W terminal  
WTR 2.5**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com

**Technical data**
**Dimensions**

Length	60 mm	Width	5.1 mm
Height	48 mm	Height of lowest version	49 mm

**Temperatures**

Operating temperature	Storage temperature
-----------------------	---------------------

**CSA ratings data**

Certificate No. (CSA)	154685-1152890	Voltage size B (CSA)	30 V
Voltage size C (CSA)	300 V	Voltage size D (CSA)	30 V
Current size B (CSA)	10 A	Current size C (CSA)	10 A
Current size D (CSA)	10 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

**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	dark beige
Flammability class UL 94	V-0		

**System specifications**

Product family	W terminal	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

**2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)**

Conductor cross-section, flexible, 2 clampable conductor, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible, 2 clampable conductor, max.	1.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, max.	1.5 mm <sup>2</sup>

**Additional technical data**

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

**Conductors for clamping (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
---	---------------------	---	---------------------

## W terminal WTR 2.5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com

## Technical data

### Conductors for clamping (rated connection)

Type of connection	Screw connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Clamping range, rated connection, min.	0.05 mm <sup>2</sup>	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Clamping screw	M 2.5	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.8 Nm	Torque setting with DMS electric screwdriver 1	
Gauge to IEC 60947-1	A3	Conductor cross-section, solid, min.	0.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Conductor cross-section, flexible, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 30
Wire connection cross section AWG, max.	AWG 12		

### Disconnect terminals

Cross-disconnect	without	Integral test socket	No
Slitting	Pivoting	Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.4 Nm	Torque setting with DMS electric screwdriver 1	

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	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		

### Classifications

ETIM 2.0	EC000902	ETIM 3.0	EC000902
ETIM 4.0	EC000902	UNSPSC	30-21-18-11
eClass 4.1	27-14-11-17	eClass 5.1	27-14-11-26
eClass 6.0	27-14-11-26		

### Approvals

Approvals CE; CSA; GOSTME25; UR

### Product notes

Note, technical data 2.5 mm<sup>2</sup> conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

### Downloads

STEP [1855610000\\_36326\\_WTR\\_2.5N\\_STP.stp](#)  
[3D model](#)

**Datasheet**

**W terminal  
WTR 2.5**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

