

**W-Series
WDU 2.5/AP/TC BL TYP K**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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www.weidmueller.com

**Current and voltage transformer wiring**

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Type	WDU 2.5/AP/TC BL TYP K
Order No.	1032880000
Version	W-Series, Feed-through terminal, Thermocouple, Rated cross-section: 2.5 mm ² , Screw connection
GTIN (EAN)	4008190180669
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Width	11.7 mm	Width (inches)	0.461 inch
Height	60 mm	Height (inches)	2.362 inch
Depth	50 mm	Depth (inches)	1.969 inch
Weight	20 g	Net weight	18.38 g

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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Material data

Material	Wemid	Colour	Blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	ATEX certificate	SIRA02ATEX3153U_d.pdf
ATEX certificate	SIRA02ATEX3153U_e.pdf	Certificate No. (IECEX)	IECEXULD14.0005U
IEC Ex certificate	IECEXSIR05.0039U_e.pdf	Max. voltage (ATEX)	55 V
Current (ATEX)	8 A	Wire cross section max. (ATEX)	2.5 mm ²
Max. voltage (IECEX)	55 V	Current (IECEX)	8 A
Wire cross section max. (IECEX)	2.5 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex e II

System specifications

Version	Thermocouple, Screw connection	End cover plate required	Yes
Number of potentials	1	Number of levels	1
No. 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

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

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Technical data
Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	2.5 mm ²
Clamping range, rated connection, min.	0.13 mm ²	Clamping screw	M 2.5
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
	on side	Number of connections	2
Gauge to IEC 60947-1	A2	Tightening torque, max.	0.6 Nm
Stripping length	10 mm	Torque level with DMS electric screwdriver	1
Tightening torque, min.	0.4 Nm	Twin wire-end ferrules, min.	0.5 mm ²
Twin wire-end ferrules, max.	1.5 mm ²	Wire connection cross section AWG, max.	AWG 12
Type of connection	Screw connection	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross section, solid core max. rated connection	2.5 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²		

Dimensions

TS 35 offset	32 mm
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Rating data

Rated cross-section	2.5 mm ²	Standards	IEC 60584, IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Pollution severity	3

Classifications

ETIM 3.0	EC000447	ETIM 4.0	EC000447
ETIM 5.0	EC000447	ETIM 6.0	EC000904
UNSPSC	30-21-18-01	eClass 6.2	27-14-11-90
eClass 7.1	27-14-11-90	eClass 8.1	27-14-11-42
eClass 9.0	27-14-11-42	eClass 9.1	27-14-11-42

Approvals

Approvals



ROHS	Conform
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Data sheet**W-Series
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Technical data**Downloads**

Approval/Certificate/Document of Conformity	IECEXULD14.0005U_e.pdf DE_PT1005_20160418_778_ISSUE01.pdf ACF-ATEX_4786180920
Engineering Data	EPLAN_WSCAD

Safety note

Safety notice	Safety Information
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