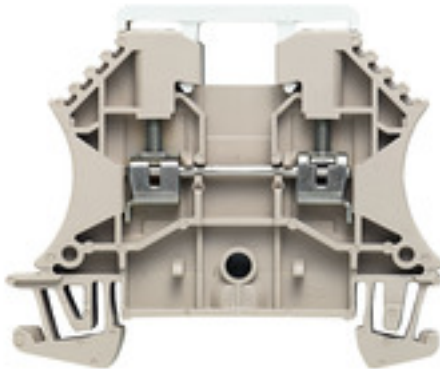


**W-Series
WDU 2.5/TC TYP J**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image**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/TC TYP J
Order No.	1024300000
Version	W-Series, Feed-through terminal, Thermocouple, Rated cross-section: 2.5 mm ² , Screw connection
GTIN (EAN)	4008 190030278
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Width	10.2 mm	Width (inches)	0.402 inch
Height	60 mm	Height (inches)	2.362 inch
Depth	50 mm	Depth (inches)	1.969 inch
Depth including DIN rail	50.5 mm	Weight	17.14 g
Net weight	15.66 g		

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
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
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 eb II C Gb

System specifications

Version	Screw connection, Thermocouple	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
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, max.	2.5 mm ²
Clamping range, min.	0.13 mm ²	Clamping screw	M 2.5
Connection cross-section, stranded, max.	2.5 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A2
Number of connections	2	Stripping length	10 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1	Twin wire-end ferrules, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	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, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	2.5 mm ²	Wire connection cross-section, solid core, min.	0.5 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	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

Classifications

ETIM 6.0	EC000904	ETIM 7.0	EC000904
eClass 9.0	27-14-11-42	eClass 9.1	27-14-11-42
eClass 10.0	27-14-11-42	UNSPSC	30-21-18-11

Approvals

Approvals



ROHS Conform

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate DE_PT1005_20160418_782_ISSUE01.pdf ATEX Certificate
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP
User Documentation	NTI WDU 2.5 TC StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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