

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

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
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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/TC TYP J
Order No.	<a href="#">1024300000</a>
Version	W-Series, Feed-through terminal, Thermocouple, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4008190030278
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**

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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**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
IEC Ex certificate	IECEXSIR05.0039U_e.pdf	Max. voltage (ATEX)	55 V
Current (ATEX)	8 A	Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>
Max. voltage (IECEX)	55 V	Current (IECEX)	8 A
Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>	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	Screw connection, Thermocouple	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 <sup>2</sup>
Clamping range, rated connection, min.	0.13 mm <sup>2</sup>	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 <sup>2</sup>
	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 <sup>2</sup>
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>	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 <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded, max.	2.5 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, solid core, min. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	2.5 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.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>		

**Dimensions**

TS 35 offset	32 mm
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**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	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	EC000904	ETIM 4.0	EC000904
ETIM 5.0	EC000904	ETIM 6.0	EC000904
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-31
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		

**Data sheet****W-Series  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity

[CFAT\\_WDU 2.5\\_1.5\\_TC.pdf](#)  
[IECEXULD14.0005U\\_e.pdf](#)  
[DE\\_PT1005\\_20160418\\_782\\_ISSUE01.pdf](#)  
[ACF-ATEX\\_4786180920](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN\\_WSCAD](#)**Safety note**

Safety notice

[Safety Information](#)