

WDU 2.5/TC TYP K**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	W-Series, Feed-through terminal, Thermocouple, Rated cross-section: 2.5 mm ² , Screw connection
Order No.	1024100000
Type	WDU 2.5/TC TYP K
GTIN (EAN)	4008190140472
Qty.	25 pc(s).

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Technical data

Dimensions and weights

Depth	50 mm	Depth (inches)	1.969 inch
Depth including DIN rail	50.5 mm	Height	60 mm
Height (inches)	2.362 inch	Net weight	15.54 g
Weight	16.88 g	Width	10.2 mm
Width (inches)	0.402 inch		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °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
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)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	2.5 mm ²		
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

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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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, 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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General

Rail	TS 35	Standards	IEC 60584, IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26

Rating data

Power loss in accordance with IEC 60947-7-x	0.77 W	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		

UL rating data

Certificate No. (UR)	E60693	Voltage size C (UR)	50 V
Wire cross section max. (UR)	12 AWG	Wire cross section min. (UR)	30 AWG

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	ECLASS 11.0	27-14-11-42

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity
	IECEX Certificate
	EAC certificate
	INMETRO certificate
	EAC EX Certificate
	CCC Ex Certificate
	Declaration of Conformity
	ATEX Certificate
Engineering Data	Declaration of Conformity
	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	NTI WDU 2.5 TC
	StorageConditionsTerminalBlocks