

ZDUB 2.5-2/2AN/DM**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

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Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Z-series, Feed-through terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige, Direct mounting
Order No.	1704350000
Type	ZDUB 2.5-2/2AN/DM
GTIN (EAN)	4008190948092
Qty.	100 pc(s).

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Technical data**Dimensions and weights**

Depth	24 mm	Depth (inches)	0.945 inch
Height	33.5 mm	Height (inches)	1.319 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	3.72 g		

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.	-50	Continuous operating temp., max.	120

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO16ATEX1808U	Certificate No. (IECEX)	IECEXULD16.0036U
Max. voltage (ATEX)	550 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	21 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	Tension-clamp connection, can only be bridged at the clamping point, One end without connector	End cover plate required	Yes
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		

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Open sides	right	Type of mounting	Direct mounting

CSA rating data

Certificate No. (CSA)	12400-379	Current size C (CSA)	25 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²

Creation date November 18, 2022 11:43:13 PM CET

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Technical data

Connection direction	top		
Gauge to IEC 60947-1	A2		
Number of connections	2		
Stripping length	10 mm		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm ²
		min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
		min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
		min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
		min.	8 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	2.5 mm ²
		nominal	8 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm ²
		nominal	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
		nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
		nominal	10 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
		nominal	10 mm
	Cross-section for conductor connection	nominal	2.5 mm ²
		nominal	10 mm
Type of connection	Tension-clamp 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, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²		
Wire connection cross-section, solid core, max.	4 mm ²		
Wire connection cross-section, solid core, min.	0.5 mm ²		

Dimensions

TS 15 offset	17 mm
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General

Installation advice	Direct mounting	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26

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Technical data**Rating data**

Rated cross-section	2.5 mm ²	Rated voltage	600 V
Rated current	24 A	Current at maximum wires	30 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	20 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	Attestation of Conformity
	UKCA Ex Attestation of Conformity
	ATEX Certificate
	IECEX Certificate
	EAC certificate
	EAC EX Certificate
	CCC Ex Certificate
	UKCA Ex Certificate
	Declaration of Conformity
	CE Declaration of Conformity all terminals
	UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Beipackzettel_ZDUB.pdf
	NTI ZDUB 2.5-2/2AN/DM/DB
	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

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Drawings

