

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**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 <sup>2</sup> , Tension-clamp connection, dark beige, Direct mounting
Order No.	<a href="#">1704350000</a>
Type	ZDUB 2.5-2/2AN/DM
GTIN (EAN)	4008 190948092
Qty.	100 pc(s).

Creation date November 26, 2024 11:47:12 AM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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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 °C	Continuous operating temp., max.	120 °C

**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 <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	21 A	Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
			Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

**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	Rail	TS 35

**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 (additional connection)**

Connection type, additional connection Tension-clamp connection

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## Technical data

### Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm			
Clamping range, max.	4 mm <sup>2</sup>			
Clamping range, min.	0.13 mm <sup>2</sup>			
Connection cross-section, stranded, max.	4 mm <sup>2</sup>			
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>			
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 <sup>2</sup>	
	Tube length	min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
	Tube length	min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>	
	Tube length	min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>	
	Tube length	min.	8 mm	
		max.	10 mm	
Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>		
Tube length	nominal	8 mm		
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>	
	Tube length	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 <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 DIN 46228/1, max.	1.5 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>			
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>			

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## Technical data

Wire connection cross-section, solid core, min. 0.5 mm<sup>2</sup>

### Dimensions

TS 15 offset 17 mm

### General

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

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 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. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size C (cURus)	20 A
Voltage size C (cURus)	600 V		

### Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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	ECLASS 13.0	27-25-01-01
ECLASS 14.0	27-25-01-01		

Cradle to gate

0.043 kg CO<sub>2</sub> eq.

### Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%
Product Carbon Footprint	de.myview.objectmodel.impl.BlockImpl@101dc332

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## Technical data

### Approvals

Approvals



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

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">UKCA Ex Attestation of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Beipackzettel_ZDUB.pdf</a> <a href="#">NTI ZDUB 2.5-2/2AN/DM/DB</a> <a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

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**Drawings**

