

**ZDUB 2.5-2/2AN/DB**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

Thanks to their compact design, Mini rail-mounted terminal blocks are ideal for working in confined spaces such as small housings and terminal boxes.

**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="#">1704500000</a>
Type	ZDUB 2.5-2/2AN/DB
GTIN (EAN)	4008 190948245
Qty.	100 items

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

## Dimensions and weights

Depth	24 mm	Depth (inches)	0.9449 inch
Height	33.5 mm	Height (inches)	1.3189 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	3.82 g		

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0.043 kg CO2 eq.	

## Material data

Basic 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>
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 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
Mounting rail	TS 35		

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### Additional technical data

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

### CSA rating data

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

### Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection
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### Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2		
Wire connection cross section AWG, max.	AWG 12		
Connection direction	top		
Stripping length	10 mm		
Type of connection	Tension-clamp connection		
Number of connections	2		
Clamping range, max.	4 mm <sup>2</sup>		
Clamping range, min.	0.13 mm <sup>2</sup>		
Blade size	0.6 x 3.5 mm		
Wire connection cross section AWG, min.	AWG 26		
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.	0.13 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.	0.13 mm <sup>2</sup>		
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>		
Wire connection cross section, finely stranded, min.	0.13 mm <sup>2</sup>		
Connection cross-section, stranded, max.	4 mm <sup>2</sup>		
Connection cross-section, stranded, min.	0.13 mm <sup>2</sup>		
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>		
Wire connection cross-section, solid core, min.	0.13 mm <sup>2</sup>		
Connection cross-section, finely stranded, min.	0.13 mm <sup>2</sup>		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	6 mm
		max.	10 mm
	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>

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**Technical data**

Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>
	Tube length	min.	8 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
	Tube length	nominal	8 mm
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>
	Tube length	nominal	10 mm
	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>	

**Dimensions**

TS 15 offset	17 mm
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**General**

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

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Nominal 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**

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

**Classifications**

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

**Drawings**

