

**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	Feed-through terminal, Tension-clamp connection, 4 mm <sup>2</sup> , 800 V, 32 A, dark beige
Order No.	<a href="#">1806980000</a>
Type	ZDU 4-2/4AN
GTIN (EAN)	4032248279319
Qty.	50 items

## ZDU 4-2/4AN

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

www.weidmueller.com

## Technical data

## Approvals

Approvals



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

## Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.7913 inch
Depth including DIN rail	46 mm	Height	75.1 mm
Height (inches)	2.9567 inch	Width	6.1 mm
Width (inches)	0.2402 inch	Net weight	12.73 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%

## 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)	440 V	Current (ATEX)	29 A
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	Max. voltage (IECEX)	440 V
Current (IECEX)	29 A	Wire cross section max. (IECEX)	6 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, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	4	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

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### Additional technical data

Open sides	right	Number of similar terminals	1
Explosion-tested version	Yes	Type of mounting	Snap-on

### CSA rating data

Wire cross section max. (CSA)	10 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	33 A	Certificate No. (CSA)	200039-1152892
Voltage size B (CSA)	600 V	Current size B (CSA)	33 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
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	A3						
Wire connection cross section AWG, max.	AWG 10						
Connection direction	Inclined / angled						
Stripping length	10 mm						
Type of connection	Tension-clamp connection						
Number of connections	4						
Clamping range, max.	6 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.	4 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.	4 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.	4 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>						
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>						
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>						
Wire connection cross-section, solid core, max.	6 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	<table border="1"> <tr> <td>Tube length</td> <td>min.</td> <td>8 mm</td> </tr> <tr> <td></td> <td>max.</td> <td>10 mm</td> </tr> </table>	Tube length	min.	8 mm		max.	10 mm
Tube length	min.	8 mm					
	max.	10 mm					

### Technical data

	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	12 mm
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	4 mm <sup>2</sup>
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>
Tube length	min.	8 mm	
	max.	12 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>
	Tube length	nominal	10 mm
		Cross-section for conductor connection	nominal
	Tube length	nominal	10 mm
		Cross-section for conductor connection	nominal
	Tube length	nominal	10 mm
		Cross-section for conductor connection	nominal
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>
	Tube length	nominal	12 mm
Cross-section for conductor connection		nominal	4 mm <sup>2</sup>

### General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 35

### Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3

### UL rating data

Conductor size Factory wiring max. (UR)	10 AWG	Current size C (UR)	33 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	26 AWG

## Technical data

Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	26 AWG
Conductor size Field wiring max. (UR)	10 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**

