

ZDU 10 OR**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

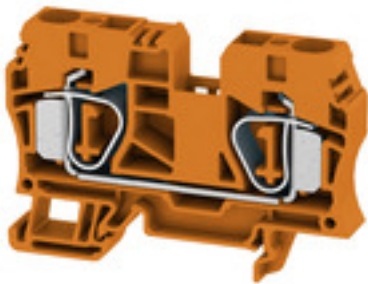
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Product image

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	Feed-through terminal, Tension-clamp connection, 10 mm ² , 1000 V, 57 A, dark beige
Order No.	1830610000
Type	ZDU 10 OR
GTIN (EAN)	4032248501021
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Depth	49.5 mm	Depth (inches)	1.949 inch
Depth including DIN rail	50.5 mm	Height	73.5 mm
Height (inches)	2.894 inch	Width	10 mm
Width (inches)	0.394 inch	Net weight	27.32 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)	DEMKO15ATEX1467U	Certificate No. (IECEX)	IECEXULD15.0008U
Max. voltage (ATEX)	690 V	Current (ATEX)	51 A
Wire cross section max. (ATEX)	16 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	51 A	Wire cross section max. (IECEX)	16 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, for plug-in cross-connector, 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
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	200039-1152892	Current size B (CSA)	55 A
Current size C (CSA)	55 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	16 AWG		

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Connection cross-section, stranded, max. 1.5 mm²

Connection direction top

Number of connections 2

Type of connection Tension-clamp connection

Wire connection cross section AWG, min. AWG 16

Wire connection cross section, finely stranded, min. 1.5 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 1.5 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 1.5 mm²Wire connection cross-section, solid core, min. 1.5 mm²

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm
Clamping range, min.	1.31 mm ²
Connection cross-section, stranded, min.	1.5 mm ²
Gauge to IEC 60947-1	A6
Stripping length	18 mm
Wire connection cross section AWG, max.	AWG 6
Wire connection cross section, finely stranded, max.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²
Wire connection cross-section, solid core, max.	16 mm ²

Clamping range, max.	16 mm ²
Connection cross-section, stranded, max.	1.5 mm ²
Connection direction	top
Number of connections	2
Type of connection	Tension-clamp connection
Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²

Dimensions

TS 35 offset 39 mm

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 16		

Rating data

Rated cross-section	10 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	Rated current	57 A
Current at maximum wires	72 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.82 W	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	16 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	16 AWG	Current size C (UR)	60 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

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Technical data

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate CB Test Certificate CB Certificate EAC certificate DNVGL certificate INMETRO certificate Lloyds Register Certificate EAC EX Certificate CCC Ex Certificate ATEX Certificate UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
Product Change Notification	PCN ZDU10 ZPE10 ATEX IECEX change
User Documentation	StorageConditionsTerminalBlocks NTI ZDU/ZPE 10 BPZL Z-Series
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

