

## ZPE 10/3AN

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

### Product image



A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

### General ordering data

Version	PE terminal, Tension-clamp connection, 10 mm <sup>2</sup> , 1200 A (10 mm <sup>2</sup> ), Green/yellow
Order No.	<a href="#">1767670000</a>
Type	ZPE 10/3AN
GTIN (EAN)	4032248122769
Qty.	20 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	99 mm
Height (inches)	3.898 inch	Width	10.1 mm
Width (inches)	0.398 inch	Net weight	41.663 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	Green/yellow
UL 94 flammability rating	V-0		

## Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO15ATEX1467U	Certificate No. (IECEX)	IECEXULD15.0008U
Wire cross section max. (ATEX)	16 mm <sup>2</sup>	Wire cross section max. (IECEX)	16 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 2014/34/EU label	II 2 G D		Ex eb II C Gb

## System specifications

Version	Tension-clamp connection, With PE connection, One end without connector	End cover plate required	Yes
Number of levels	1	Number of clamping points per level	3
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	PE function	Yes
PEN function	Yes		

## Additional technical data

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

## CSA rating data

Certificate No. (CSA)	200039-1152892	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	16 AWG		

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Clamping range, max. 16 mm<sup>2</sup>  
Connection cross-section, stranded, max. 16 mm<sup>2</sup>

Connection direction top

Number of connections 3

Type of connection Tension-clamp connection

Wire connection cross section AWG, min. AWG 16

Wire connection cross section, finely stranded, min. 1.5 mm<sup>2</sup>Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 10 mm<sup>2</sup>  
min. 1.5 mm<sup>2</sup>Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 10 mm<sup>2</sup>  
min. 1.5 mm<sup>2</sup>Wire connection cross-section, solid core, max. 16 mm<sup>2</sup>  
min. 1.5 mm<sup>2</sup>

## Conductors for clamping (rated connection)

Blade size 1.0 x 5.5 mm

Clamping range, min. 1.31 mm<sup>2</sup>Connection cross-section, stranded, min. 1.5 mm<sup>2</sup>

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<sup>2</sup>Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 10 mm<sup>2</sup>Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 10 mm<sup>2</sup>Wire connection cross-section, solid core, max. 16 mm<sup>2</sup>

## General

Installation advice Busbar

Standards IEC 60947-7-2

Wire connection cross section AWG, min. AWG 16

Rail TS 35

Wire connection cross section AWG, max. AWG 6

## PE rating data

Rated short-time current 1200 A (10 mm<sup>2</sup>)

PEN function Yes

## Rating data

Rated cross-section 10 mm<sup>2</sup>

Standards IEC 60947-7-2

Rated impulse withstand voltage to adjacent terminal 8 kV

Pollution severity 3

Rated voltage to adjoining terminal 800 V

Volume resistance according to IEC 60947-7-x 0.56 mΩ

Power loss in accordance with IEC 60947-7-x 1.82 W

## UL rating data

Certificate No. (UR) E60693

Conductor size Factory wiring min. (UR) 16 AWG

Conductor size Field wiring min. (UR) 16 AWG

Conductor size Factory wiring max. (UR) 6 AWG

Conductor size Field wiring max. (UR) 6 AWG

## Classifications

ETIM 6.0 EC000901

ETIM 8.0 EC000901

ECLASS 9.1 27-14-11-41

ECLASS 11.0 27-14-11-41

ETIM 7.0 EC000901

ECLASS 9.0 27-14-11-41

ECLASS 10.0 27-14-11-41

ECLASS 12.0 27-14-11-41

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**Technical data**

**Approvals**

Approvals



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

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</a>
Product Change Notification	<a href="#">PCN_ZPE_Q3_2020</a> <a href="#">PCN - EN</a> <a href="#">PCN - DE</a> <a href="#">PCN ZDU10 3AN ZPE10 3AN ATEX IECEx change</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI ZDU/ZPE 10/3AN</a> <a href="#">BPZL Z-Series</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

