

## ZPE 4/3AN

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 4 mm <sup>2</sup> , 480 A (4 mm <sup>2</sup> ), Green/yellow
Order No.	<a href="#">7904170000</a>
Type	ZPE 4/3AN
GTIN (EAN)	403224842237 1
Qty.	50 Stück

Erstellungs-Datum June 1, 2023 11:18:02 AM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Depth	43 mm	Depth (inches)	1.693 inch
Depth including DIN rail	43.5 mm	Height	85.5 mm
Height (inches)	3.366 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	18.66 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)	6 mm <sup>2</sup>	Wire cross section max. (IECEX)	6 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	No		

### Additional technical data

Explosion-tested version	Yes	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)	10 AWG
Wire cross section min. (CSA)	26 AWG		

### Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>
Connection cross-section, stranded, max.	6 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>

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Connection direction	top		
Gauge to IEC 60947-1	A4		
Number of connections	3		
Stripping length	12 mm		
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	8 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	max.	10 mm
		min.	8 mm
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	nominal	4 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	10 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	12 mm
	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>
	Tube length	nominal	12 mm
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>
	Tube length	nominal	12 mm
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>
	Tube length	nominal	12 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
	Tube length	nominal	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>
Type of connection	Tension-clamp connection		
Wire connection cross section AWG, max.	AWG 10		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross section, finely stranded, max.	6 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.	4 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>		

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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.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

### General

Rail	TS 35	Standards	IEC 60947-7-2
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26

### PE rating data

Rated short-time current	480 A (4 mm <sup>2</sup> )	PEN function	No
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### Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	1.02 W
Pollution severity	3		

### UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	26 AWG		

### Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41	ECLASS 12.0	27-14-11-41

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## Technische Daten

### 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="#">IECEX Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">Lloyds Register 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="#">RINA 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 - DE</a> <a href="#">PCN - EN</a> <a href="#">PCN ZDU4 3AN ZPE4 3AN ATEX IECEX change</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI ZDU/ZPE 4/3AN</a> <a href="#">BPZL Z-Series</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Datenblatt**

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**Zeichnungen**

