

**ZPE 2.5-2****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	Z-series, PE terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, Green/yellow
Order No.	<a href="#">1772090000</a>
Type	ZPE 2.5-2
GTIN (EAN)	4032248128730
Qty.	50 pc(s).

Creation date February 28, 2023 6:05:01 PM CET

Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	43.5 mm	Depth (inches)	1.713 inch
Depth including DIN rail	44 mm	Height	50.5 mm
Height (inches)	1.988 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	11.11 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)	DEMKO16ATEX1808U	Certificate No. (IECEX)	IECEXULD16.0036U
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Wire cross section max. (IECEX)	4 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	2
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)	12 AWG
Wire cross section min. (CSA)	26 AWG		

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## Technical data

## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A2	Number of connections	2
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	2.5 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.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 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.	4 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 12	Wire connection cross section AWG, min.	AWG 26

## PE rating data

Rated short-time current	300 A (2.5 mm <sup>2</sup> )	PEN function	No
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## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

## UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	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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## 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="#">ATEX Certificate</a> <a href="#">IECEx Certificate</a> <a href="#">EAC certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">CCC Ex 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_Q2_2021 - EN</a> <a href="#">PCN_ZPE_Q2_2021 - DE</a> <a href="#">Product Change Notification ZPE Q1/2022 DE</a> <a href="#">Product Change Notification Q1/2022 EN</a>
User Documentation	<a href="#">NTI ZDU/ZPE 2.5-2/2AN</a> <a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

