Weidmüller

ZPE 10

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 mm², 1200 A (10 mm²), Green/yellow
Order No.	1746770000
Type	ZPE 10
GTIN (EAN)	4008190996734
Qty.	25 pièce(s)

Date de création 26 novembre 2024 13:33:08 CET

ZPE 10

Caractéristiques techniques

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	10,1 mm
Width (inches)	0,398 inch	Net weight	31,14 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 mm²	Wire cross section max. (IECEX)	16 mm²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
			Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

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	Yes		

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)	6 AWG
Wire cross section min. (CSA)	16 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection

Caractéristiques techniques

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm²
Clamping range, min.	1,31 mm²	Connection cross-section, stranded, max.	16 mm²
Connection cross-section, stranded, min.	1,5 mm²	Connection direction	top
Gauge to IEC 60947-1	A6	Number of connections	2
Stripping length	18 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	10 mm²	Wire connection cross section, finely stranded, min.	1,5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1,5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1,5 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	1,5 mm²

General

Rail	TS 35	Standards	IEC 60947-7-2
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 16

PE rating data

Rated short-time current	1200 A (10 mm²)	PEN function	Yes

Rating data

Rated cross-section	10 mm²	Rated voltage to adjoining terminal	800 V
Rated DC voltage	800 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	0,56 mΩ	Rated impulse withstand voltage to adjacent terminal	8 kV
Power loss in accordance with IEC 60947-7-x	1,82 W	Pollution severity	3

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	6 AWG
Conductor size Factory wiring min. (cURus)	16 AWG	Conductor size Field wiring max. (cURus)	6 AWG
Conductor size Field wiring min. (cURus)	16 AWG		

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ETIM 9.0	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	ECLASS 13.0	27-25-01-03
ECLASS 14.0	27-25-01-03		

Date de création 26 novembre 2024 13:33:08 CET

ZPE 10

Caractéristiques techniques

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals	

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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity IECEx Certificate INMETRO certificate Lloyds Register Certificate CCC Ex Certificate ATEX Certificate UKCA Ex Certificate 17-AV4BO-0546U Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Product Change Notification	PCN_ZPE_Q3_2020 PCN - EN PCN - DE PCN ZDU10 ZPE10 ATEX IECEx change
User Documentation	StorageConditionsTerminalBlocks NTI ZDU/ZPE_10 User Manual Z-Series
Catalogues	Catalogues in PDF-format
Brochures	

Date de création 26 novembre 2024 13:33:08 CET

ZPE 10

Dessins

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