Data sheet

ZPE 10

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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	PE terminal, Tension-clamp connection, 10 mm², 1200 A (10 mm²), Green/yellow
Order No.	1746770000
Type	ZPE 10
GTIN (EAN)	4008190996734
Qty.	25 items

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Technical data

Approvals

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

Dimensions and weights

Depth	49.5 mm	Depth (inches)	1.9488 inch
Depth including DIN rail	50.5 mm	Height	73.5 mm
Height (inches)	2.8937 inch	Width	10.1 mm
Width (inches)	0.3976 inch	Net weight	31.14 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

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

Material data

Basic 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
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 potentials	1	Number of levels	1
Number of clamping points per level	2	Levels cross-connected internally	No
PE connection	Yes	Mounting rail	TS 35
PE function	Yes	PEN function	Yes

Additional technical data

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

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CSA rating data

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

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A6	Wire connection cross section AWG, max.	AWG 6
Connection direction	top	Stripping length	18 mm
Type of connection	Tension-clamp connection	Number of connections	2
Clamping range, max.	16 mm²	Clamping range, min.	1.31 mm²
Blade size	1.0 x 5.5 mm	Wire connection cross section AWG, min.	AWG 16
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.	1.31 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.	1.31 mm²
Wire connection cross section, finely stranded, max.	10 mm²	Wire connection cross section, finely stranded, min.	1.31 mm²
Connection cross-section, stranded, max.	16 mm²	Connection cross-section, stranded, min.	1.31 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	1.31 mm²
Connection cross-section, finely stranded, min.	1.31 mm²		

General

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

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	0.00 W	Pollution severity	3

UL rating data

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

Classifications

ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 14.0	27-25-01-03

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Technical data

ECLASS 15.0	27-25-01-03

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Drawings

