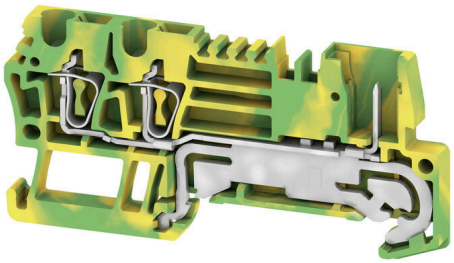
Data sheet

ZTPE 2.5/3AN/1

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

www.weidmueller.com

Product image



Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

Version	Z-series, Plug-in modular terminals, Rated cross-section: 2.5 mm², Tension-clamp connection, Green/yellow
Order No.	1815100000
Type	ZTPE 2.5/3AN/1
GTIN (EAN)	4032248370016
Qty.	50 items

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Technical data

Approvals

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

Dimensions and weights

Depth	34.5 mm	Depth (inches)	1.3583 inch
Depth including DIN rail	35 mm	Height	71.5 mm
Height (inches)	2.815 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	5 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temperature, min.	-50 °C	Continuous operating temperature, 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		

System specifications

Version	2 tension-clamp connections - 1 plug-in connection, pluggable, With PE connection	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	Levels cross-connected internally	No
PE connection	Yes	Mounting rail	TS 35
PE function	Yes	PEN function	No

Additional technical data

Open sides	right	Explosion-tested version	No
Type of mounting	Snap-on		

Conductors for clamping (additional connection)

Conductor cross-section, flexible with plastic collar (DIN 46228/1) (further connection), max.	2.5 mm²	Connection type, additional connection	pluggable

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2

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Wire connection cross section AWG, max.	AWG 26		
Connection direction	top		
Stripping length	10 mm		
Type of connection	Tension-clamp connection		
Number of connections	3		
Conductor cross-section (rated connection), max.	4 mm²		
Conductor cross-section (rated connection), min.	0.13 mm²		
Blade size	0.6 x 3.5 mm		
Wire connection cross section AWG, min.	AWG 12		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²		
Wire connection cross-section, finely stranded, max.	4 mm²		
Wire connection cross section, finely stranded, min.	0.13 mm²		
Connection cross-section, stranded, max.	4 mm²		
Connection cross-section, stranded, min.	0.13 mm²		
Wire connection cross-section, solid core, max.	4 mm²		
Wire connection cross-section, solid core, min.	0.13 mm²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm²
		min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm²
		min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm²
		min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm²
		min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²
		min.	8 mm
		max.	12 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm²
		nominal	10 mm
	Cross-section for conductor connection	nominal	0.75 mm²
		nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm²
		nominal	10 mm
	Cross-section for conductor connection	nominal	1.5 mm²
		min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²

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Technical data

		min.	10 mm
		max.	12 mm

General

Wire connection cross section AWG, max.	AWG 26	Wire connection cross section AWG, min.	AWG 12
Mounting rail	TS 35		

Rating data

Rated cross-section	2.5 mm²	Rated voltage	800 V
Rated voltage to adjoining terminal	500 V	Voltage of clamp support and pluggable system, max.	690 V
Rated DC voltage	500 V	Nominal current	0 A
Contact resistance	1.33 mΩ	Power loss (IEC 60947-7-x)	0.77 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Conductor size Field wiring max. (cURus)	12 AWG		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-17
ECLASS 15.0	27-25-01-17		

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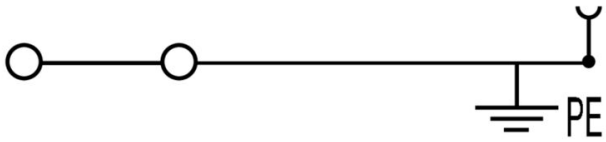
Drawings



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