

ZPE 16-2/1AN**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

Version	Z-series, PE terminal, Rated cross-section: 16 mm ² , Tension-clamp connection, Green/yellow
Order No.	1772960000
Type	ZPE 16-2/1AN
GTIN (EAN)	4032248136599
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Depth	50.5 mm	Depth (inches)	1.988 inch
Depth including DIN rail	51.5 mm	Height	65 mm
Height (inches)	2.559 inch	Net weight	36.5 g
Width	12 mm	Width (inches)	0.472 inch

Temperatures

Storage temperature	-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		

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	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	PE function	Yes
PEN function	Yes		

Additional technical data

Explosion-tested version	No	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)	14 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	25 mm ²
Clamping range, min.	1.5 mm ²	Connection cross-section, stranded, max.	25 mm ²
Connection cross-section, stranded, min.	16 mm ²	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A7	Number of connections	1
Stripping length	18 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section, finely stranded, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	10 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

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Technical data

General

Rail	TS 35	Standards	In accordance with IEC 60947-7-1, IEC 60947-7-2
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 14

PE rating data

Rated short-time current	1920 A (16 mm ²)	PEN function	Yes
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Rating data

Power loss in accordance with IEC 60947-7-x	2.43 W	Rated cross-section	16 mm ²
Rated voltage to adjoining terminal	800 V	Standards	In accordance with IEC 60947-7-1, IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	0.42 mΩ	Rated impulse withstand voltage to adjacent terminal	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	4 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	4 AWG
Conductor size Field wiring min. (UR)	14 AWG	UL_wire_max_Print	4 AWG
UL_wire_min_Print	14 AWG		

Classifications

ETIM 6.0	EC000901	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	EAC certificate DNVGL certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	PCN_ZPE_Q3_2020 PCN - EN PCN - DE
User Documentation	StorageConditionsTerminalBlocks

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Drawings

