

ZPE 16**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	PE terminal, Tension-clamp connection, 16 mm ² , 1920 A (16 mm ²), Green/yellow
Order No.	1745250000
Type	ZPE 16
GTIN (EAN)	4008190996789
Qty.	25 pc(s).

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Technical data

Dimensions and weights

Depth	50.5 mm	Depth (inches)	1.988 °C
Depth including DIN rail	51.5 mm	Height	82.5 mm
Height (inches)	3.248 °C	Width	12.1 mm
Width (inches)	0.476 °C	Net weight	48.672 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)	25 mm ²	Wire cross section max. (IECEX)	25 mm ²
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	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)	4 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	25 Nm
Clamping range, min.	1.5 Nm	Connection cross-section, stranded, max.	25 Nm
Connection cross-section, stranded, min.	1.5 Nm	Connection direction	top
Gauge to IEC 60947-1	A7	Number of connections	2
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 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 Nm	Wire connection cross-section, solid core, max.	16 Nm
Wire connection cross-section, solid core, min.	1.5 Nm		

General

Rail	TS 35	Standards	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

Rated cross-section	16 Nm	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.42 °C
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	2.43 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)	14 AWG	Conductor size Field wiring max. (cURus)	6 AWG
Conductor size Field wiring min. (cURus)	14 AWG	UL_wire_max_Print	4 A / 6 A / 10 A / 13 A / 15 A
UL_wire_min_Print	14 A / 6 A / 10 A / 13 A / 15 A		

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		

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate CB Test Certificate CB Certificate EAC certificate INMETRO certificate Lloyds Register Certificate EAC EX Certificate CCC Ex Certificate ATEX Certificate Declaration of Conformity Declaration of Conformity all terminals
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	PCN_ZPE_Q3_2020 PCN - EN PCN - DE PCN ZDU16 ZPE16 ATEX IECEX change
User Documentation	StorageConditionsTerminalBlocks NTI ZDU/ZPE 16
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

