

ZPE 2.5/3AN**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, 2.5 mm ² , 300 A (2.5 mm ²), Green/yellow
Order No.	1608650000
Type	ZPE 2.5/3AN
GTIN (EAN)	4008190076559
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	38.5 mm	Depth (inches)	1.516 inch
Depth including DIN rail	39.5 mm	Height	64.5 mm
Height (inches)	2.539 inch	Net weight	12.84 g
Width	5.1 mm	Width (inches)	0.201 inch

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)	KEMA97ATEX252 1U	ATEX certificate	KEMA97ATEX252 1U_e.pdf
ATEX certificate	KEMA97ATEX252 1U_d.pdf	Certificate No. (IECEx)	IECEXULD05.0009U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	Wire cross section max. (ATEX)	2.5 mm ²
Wire cross section max. (IECEx)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	2.5 mm ²		
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	3
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	PE function	Yes
PEN function	No		

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
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)	12 AWG
Wire cross section min. (CSA)	26 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.05 mm ²	Connection direction	top
Gauge to IEC 60947-1	A3	Number of connections	3
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30		

PE rating data

Rated short-time current	300 A (2.5 mm ²)	PEN function	No
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Rating data

Power loss in accordance with IEC 60947-7-x	0.77 W	Rated cross-section	2.5 mm ²
Rated voltage to adjoining terminal	800 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	1.33 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)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	30 AWG	UL_wire_max_Print	12 AWG
UL_wire_min_Print	30 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

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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
	DNVGL certificate
	DNVGL certificate
	INMETRO certificate
	Lloyds Register Certificate
	MARITREG Certificate
	MARITREG Certificate
	EAC EX Certificate
	CCC Ex Certificate
	ATEX Certificate
	Declaration of Conformity
	Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	Product Change Notification ZPE Q1/2022 DE
	Product Change Notification Q1/2022 EN
User Documentation	StorageConditionsTerminalBlocks
	NTI ZDU/ZPE 2.5/3AN

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Drawings

