

**Z-series  
ZPE 2.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
www.weidmueller.com

**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**

Type	ZPE 2.5/3AN
Order No.	<a href="#">1608650000</a>
Version	PE terminal, Tension clamp connection, 2.5 mm <sup>2</sup> , 300 A (2.5 mm <sup>2</sup> ), green / yellow
GTIN (EAN)	4008190076559
Qty.	100 pc(s).

**Z-series  
ZPE 2.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 Fax: +49 5231 14292083  
 www.weidmueller.com

**Technical data****Dimensions and weights**

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

**Temperatures**

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)	KEMA97ATEX2521U	ATEX certificate	KEMA97ATEX2521U_d.pdf
ATEX certificate	KEMA97ATEX2521U_e.pdf	Certificate No. (IECEX)	IECEXULD05.0009U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>
Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex e II
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	No. of clamping points per level	3
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 35	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		

## Z-series ZPE 2.5/3AN

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 Fax: +49 5231 14292083  
 www.weidmueller.com

## Technical data

### Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Clamping range, rated connection, min.	0.05 mm <sup>2</sup>	Connection direction	top
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>	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 with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>

### PE rating data

Rated short-time current	300 A (2.5 mm <sup>2</sup> )	PEN function	No
--------------------------	------------------------------	--------------	----

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	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		

### Classifications

ETIM 3.0	EC000901	ETIM 4.0	EC000491
ETIM 5.0	EC000491	ETIM 6.0	EC000901
UNSPSC	30-21-18-11	eClass 5.1	27-14-03-05
eClass 6.2	27-14-03-05	eClass 7.1	27-14-03-05
eClass 8.1	27-14-11-41	eClass 9.0	27-14-11-41
eClass 9.1	27-14-11-41		

**Data sheet**

**Z-series  
ZPE 2.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 Fax: +49 5231 14292083  
 www.weidmueller.com

**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CFAT_ZPE 2.5_3AN.pdf</a> <a href="#">DE_PT1102_20160418_1388_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>

**Safety note**

Safety notice [Safety Information](#)

**Data sheet**

**Z-series**  
**ZPE 2.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

