

**Z-series  
ZPE 6-2/2AN**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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**

Type	ZPE 6-2/2AN
Order No.	<a href="#">1771370000</a>
Version	Z-series, PE terminal, Rated cross-section: 6 mm <sup>2</sup> , Tension-clamp connection, Green/yellow
GTIN (EAN)	4032248142965
Qty.	50 Stück

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## Technische Daten

### Dimensions and weights

Width	8.1 mm	Width (inches)	0.319 inch
Height	68 mm	Height (inches)	2.677 inch
Depth	49.19 mm	Depth (inches)	1.937 inch
Depth including DIN rail	50 mm	Net weight	21.9 g

### Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

### Material data

Material	Wemid	Colour code	Green/yellow
UL 94 flammability rating	V-0		

### Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX4677U	Wire cross section max. (ATEX)	6 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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	No. of clamping points per level	2
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	PEN function	No

### Additional technical data

Explosion-tested version	Yes	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)	8 AWG
Wire cross section min. (CSA)	20 AWG		

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### Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	10 mm <sup>2</sup>
Clamping range, min.	0.22 mm <sup>2</sup>	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A5	Number of connections	2
Stripping length	12 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

### PE rating data

Rated short-time current	720 A (6 mm <sup>2</sup> )	PEN function	No
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### Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.78 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)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 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		

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## Technische Daten

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">DE_PT1142_20160418_1408_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Cross Connection Guide</a>

### Safety note

Safety notice [Safety Information](#)

**Datenblatt**

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**Zeichnungen**

