

**Z-series
ZPE 6-2/3AN**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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**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 6-2/3AN
Order No.	1771360000
Version	Z-series, PE terminal, Rated cross-section: 6 mm ² , Tension clamp connection, green / yellow
GTIN (EAN)	4032248142958
Qty.	50 pc(s).

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Technical data**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	24.74 g

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX4677U	ATEX certificate	KEMA97ATEX4677U_d.pdf
ATEX certificate	KEMA97ATEX4677U_e.pdf	Wire cross section max. (ATEX)	6 mm ²
Voltage, cross-connection		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	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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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	10 mm ²
Clamping range, rated connection, min.	0.22 mm ²	Connection direction	Inclined / angled
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Gauge to IEC 60947-1	A5
Number of connections	3	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 with wire-end ferrules DIN 46228/1, rated connection, max.	6 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	10 mm ²
Wire connection cross section, solid core max. rated connection	10 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	6 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

PE rating data

Rated short-time current	720 A (6 mm ²)	PEN function	No
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Rating data

Rated cross-section	6 mm ²	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		

Data sheet**Z-series
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Technical data**Approvals**

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity [DE_PT1142_20160418_1409_ISSUE01.pdf](#)
Brochure/Catalogue [CAT 1 TERM 16/17 EN](#)
Engineering Data [EPLAN, WSCAD, Zuken E3.S](#)

Safety noteSafety notice [Safety Information](#)

Data sheet

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Drawings

