

**Z-series  
ZP 2.5/1AN ZA O.RA GN**

**Weidmüller Interface GmbH & Co. KG**  
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**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	ZP 2.5/1AN ZA O.RA GN
Order No.	<a href="#">1875220000</a>
Version	Z-series, Plug-in connector, Direct mounting
GTIN (EAN)	4032248501045
Qty.	50 pc(s).

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

Width	5.1 mm	Width (inches)	0.201 inch
Height	23 mm	Height (inches)	0.906 inch
Depth	41 mm	Depth (inches)	1.614 inch
Net weight	3.4 g		

**Temperatures**

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

**Material data**

Material	Wemid	Colour	green
UL 94 flammability rating	V-0		

**System specifications**

Version	Plug, pluggable, With assembly peg, Tension-clamp connection	End cover plate required	Yes
Number of levels	1	Number of clamping points per level	1
Levels cross-connected internally	No	PE connection	No

**Additional technical data**

Installation advice	Direct mounting	Open sides	right
Type of mounting	Plugged		

**CSA rating data**

Certificate number (cCSAus)	154685-1460993	Current size C (cCSAus)	20 A
Current size D (cCSAus)	5 A	Voltage size C (cCSAus)	300 V
Voltage size D (cCSAus)	600 V	Wire cross section max. (cCSAusX)	12 AWG
Wire cross section min. (cCSAusX)	26 AWG		

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Connection direction	top
Gauge to IEC 60947-1	A2	Number of connections	1
Stripping length	10 mm	Type of connection	Plug-in connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 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, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

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**Technical data****Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	500 V
Rated voltage to adjoining terminal	500 V	Rated current	24 A
Standards	IEC 60947-7-1 (-7-2), IEC 61984	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W	Rated impulse withstand voltage	6 kV
Rated impulse withstand voltage to adjacent terminal	6 kV	Pollution severity	3

**UL rating data**

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size C (cURus)	20 A
Current size D (cURus)	5 A	Voltage size C (cURus)	300 V
Voltage size D (cURus)	600 V		

**Classifications**

ETIM 6.0	EC002848	ETIM 7.0	EC002848
eClass 9.0	27-14-11-92	eClass 9.1	27-14-11-92
eClass 10.0	27-14-11-92	UNSPSC	30-21-18-01

**Approvals**

Approvals



ROHS

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**Downloads**

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="#">StorageConditionsTerminalBlocks</a>