

**Z-series
ZPS 2.5/1AN/QV/16**

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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	ZPS 2.5/1AN/QV/16
Order No.	1866040000
Version	Z-series, Coupling, Rated cross-section: 2.5 mm², Plug-in connection, beige, Direct mounting
GTIN (EAN)	4032248499342
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	83.1 mm	Width (inches)	3.272 inch
Height	22.55 mm	Height (inches)	0.888 inch
Depth	42 mm	Depth (inches)	1.654 inch
Net weight	56.1 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	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Plug-in connector, pluggable, Tension-clamp connection	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	Type of mounting	Plugged
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CSA rating data

Certificate No. (CSA)	200039-1720292	Current size C (CSA)	20 A
Current size D (CSA)	5 A	Voltage size C (CSA)	300 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²	Connection direction	top
Gauge to IEC 60947-1	A2	Number of connections	16
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 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, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.13 mm ²

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Technical data
Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated current	24 A	Current at maximum wires	24 A
Standards	IEC 60947-7-1, 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
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)	24 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 Conform

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Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	StorageConditionsTerminalBlocks