

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

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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	ZPS 2.5/1AN/QV/1
Order No.	1865880000
Version	Z-series, Coupling, Rated cross-section: 2.5 mm ² , Plug-in connection, Beige, Direct mounting
GTIN (EAN)	4032248499236
Qty.	50 pc(s).

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Technical data
Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	41 mm	Height (inches)	1.614 inch
Depth	42 mm	Depth (inches)	1.654 inch
Net weight	5.16 g		

Temperatures

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

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

System specifications

Version	Coupling, pluggable, Tension-clamp connection	Number of levels	1
No. of clamping points per level	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35

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	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 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

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
Rated impulse withstand voltage	6 kV	Pollution severity	3

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Data sheet

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Technical data

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 3.0	EC002021	ETIM 4.0	EC002021
ETIM 5.0	EC002021	ETIM 6.0	EC002848
UNSPSC	30-21-18-01	eClass 6.2	27-14-92-14
eClass 7.1	27-14-92-14	eClass 8.1	27-14-11-51
eClass 9.0	27-14-11-51	eClass 9.1	27-14-11-92

Product information

Descriptive text technical data	CSA voltage / current Gr. C 300 V / 20 A Gr. D 600 V / 5 A
Descriptive text accessories	2.5 mm ² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Approvals

Approvals



ROHS	Conform
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Downloads

Engineering Data	EPLAN_WSCAD
Engineering Data	STEP