Data sheet

ZPS 2.5/1AN/QV/3

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

Version	Z-series, Coupling, Rated cross-section: 2.5 mm², Plug-in connection, beige, Direct mounting
Order No.	1865910000
Type	ZPS 2.5/1AN/QV/3
GTIN (EAN)	4032248499250
Qty.	20 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	42 mm	Depth (inches)	1.6535 inch
Height	22.55 mm	Height (inches)	0.8878 inch
Width	17.8 mm	Width (inches)	0.7008 inch
Net weight	10.91 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Plug-in connector, pluggable, Tension-clamp connection	Number of potentials	3
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

CSA rating data

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

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Stripping length	10 mm

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Technical data

Type of connection	Plug-in connection	Number of connections	3
Clamping range, max.	4 mm²	Clamping range, min.	0.13 mm²
Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 26
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.13 mm²	Connection cross-section, stranded, min.	0.13 mm²
Wire connection cross-section, solid core, max.	4 mm²	Wire connection cross-section, solid core, min.	0.13 mm²

General

Number of poles	3	Wire connection cross section AWG, max.	AWG 12
Installation advice	Direct mounting	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1, IEC 61984		

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal 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
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size D (cURus)	600 V
Certificate No. (cURus)	E60693	Conductor size Field wiring min. (cURus)	26 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Voltage size C (cURus)	300 V
Current size C (cURus)	24 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	12 AWG		

Classifications

ETIM 6.0	EC002848	ETIM 7.0	EC002848
ETIM 8.0	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 9.0	27-14-11-92
ECLASS 9.1	27-14-11-92	ECLASS 10.0	27-14-11-92
ECLASS 11.0	27-14-11-92	ECLASS 12.0	27-14-11-92
ECLASS 13.0	27-25-03-90	ECLASS 14.0	27-25-03-90
ECLASS 15.0	27-25-03-90		