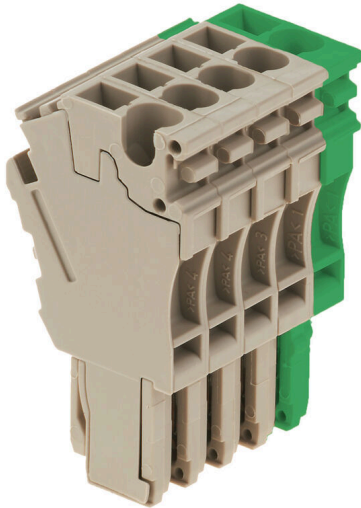


ZP 2.5/1AN/QV/5 GN/BE

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, Plug-in connector, Direct mounting
Order No.	1142560000
Type	ZP 2.5/1AN/QV/5 GN/BE
GTIN (EAN)	4032248925636
Qty.	25 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	41 mm	Depth (inches)	1.6142 inch
Height	37 mm	Height (inches)	1.4567 inch
Width	25.5 mm	Width (inches)	1.0039 inch
Net weight	18.52 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °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	Set of connectors, Cross-connector, pluggable, Tension-clamp connection	End cover plate required	No
Number of potentials	5	Number of levels	1
Number of clamping points per level	1	Levels cross-connected internally	No
PE connection	No		

Additional technical data

Open sides	closed	Installation advice	Direct mounting
Type of mounting	Plugged		

CSA rating data

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

Conductors for clamping (rated connection)

Wire connection cross section AWG, max. AWG 12

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Connection direction	top		
Stripping length	10 mm		
Type of connection	Plug-in connection		
Number of connections	5		
Clamping range, max.	4 mm ²		
Clamping range, min.	0.13 mm ²		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm ²		
Wire connection cross section, finely stranded, min.	0.13 mm ²		
Connection cross-section, stranded, min.	0.13 mm ²		
Wire connection cross-section, solid core, max.	4 mm ²		
Wire connection cross-section, solid core, min.	0.13 mm ²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm ²
	Cross-section for conductor connection	nominal	0.75 mm ²
	Cross-section for conductor connection	nominal	1 mm ²
	Cross-section for conductor connection	nominal	1.5 mm ²
	Cross-section for conductor connection	nominal	2.5 mm ²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm ²
	Cross-section for conductor connection	nominal	0.75 mm ²
	Cross-section for conductor connection	nominal	1 mm ²
	Cross-section for conductor connection	nominal	1.5 mm ²
	Cross-section for conductor connection	nominal	2.5 mm ²

General

Number of poles	5	Wire connection cross section AWG, max.	AWG 12
Installation advice	Direct mounting	Wire connection cross section AWG, min.	AWG 26
Standards	In accordance with IEC 60947-7-1		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Max. voltage of clamp support & pluggable system	690 V	Rated DC voltage	500 V
Nominal current	24 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Power loss in accordance with IEC 60947-7-x	0.77 W

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)	20 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	12 AWG		

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Classifications

ETIM 8.0	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 14.0	27-25-03-90
ECLASS 15.0	27-25-03-90		