

ZP 4/1AN**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germanywww.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.	1051970000
Type	ZP 4/1AN
GTIN (EAN)	4032248792351
Qty.	50 items

ZP 4/1AN

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 Germany

www.weidmueller.com

Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.8701 inch
Height	22.5 mm	Height (inches)	0.8858 inch
Width	6.5 mm	Width (inches)	0.2559 inch
Net weight	6.2 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, pluggable, Tension-clamp connection	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	1	Levels cross-connected internally	No
PE connection	No		

Additional technical data

Open sides	right	Installation advice	Direct mounting
Type of mounting	Plugged		

CSA rating data

Wire cross section max. (CSA)	10 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	28 A	Certificate No. (CSA)	200039-1720292
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 10

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Connection direction	top		
Stripping length	12 mm		
Type of connection	Tension-clamp connection		
Number of connections	1		
Clamping range, max.	6 mm ²		
Clamping range, min.	0.13 mm ²		
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 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 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, max.	6 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.	6 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
	Cross-section for conductor connection	nominal	4 mm ²
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	0.5 mm ²
	Cross-section for conductor connection	nominal	0.75 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
	Cross-section for conductor connection	nominal	4 mm ²

General

Number of poles	1	Wire connection cross section AWG, max.	AWG 10
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	4 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	32 A
Current at maximum wires	32 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	8 kV

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Technical data

Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3
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UL rating data

Conductor size Factory wiring max. (cURus)	10 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Voltage size C (cURus)	600 V	Current size C (cURus)	28 A
Conductor size Field wiring max. (cURus)	10 AWG		

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		