

**Z-series, WeiCoS
ZP 2.5/1AN ZA O.RA**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



One terminal strip for the functional unit, one plug-in connector for the cable loom fabrication. All that remains to be done is to clip the two units together during final assembly – just like a plug-in connector. Finished! Whether for railway engineering, mechanical engineering or shipbuilding applications, all are served excellently by the products of the Weidmüller Z-Series. This is because the products are easy to use and practical, and the connections are simple, reliable and quick. Modular and flexible connection systems are especially in demand where complete functional units have to be prefabricated or replaced.

General ordering data

Type	ZP 2.5/1AN ZA O.RA
Order No.	1875210000
Version	Z-series, WeiCoS, Plug-in connector, Wemid, Dark Beige, Direct mounting
GTIN (EAN)	4032248500277
Qty.	50 pc(s).

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Technische Daten
Dimensions and weights

Length	23 mm	Height	41 mm
Height of lowest version	41 mm	Net weight	3.38 g

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Additional technical data

Installation advice	Direct mounting	Open sides	closed
Type of mounting		Version	Plug, pluggable, With assembly peg, Tension-clamp connection
	Plugged		

Clampable wires (rated connection)

Type of connection	Plug-in connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	top
Clamping range, rated connection, min.	0.13 mm ²	Clamping range, rated connection, max.	4 mm ²
Gauge to IEC 60947-1	A2	Wire connection cross section, solid core, max. rated connection	0.5 mm ²
Wire connection cross section, solid core max. rated connection	4 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 12		

Rated data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated impulse withstand voltage	6 kV	Rated current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1, IEC 61984

UL ratings 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)	20 A
Current size D (cURus)	5 A	Voltage size C (cURus)	300 V
Voltage size D (cURus)	600 V		

Material data

Insulating material	Wemid	Material	Wemid
UL 94 flammability rating	V-0		

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System specifications

Product family	Z-series, WeiCoS	Type of connection	Plug-in connection
Connection direction	top	Levels cross-connected internally	No
End cover plate required	No		

Classifications

UNSPSC	30-21-18-01	eClass 6.2	27-14-92-14
eClass 7.1	27-14-03-05		

Product information

Descriptive text technical data	The assessment of the terminal points is carried out according to DIN EN 60999-1. Please observe the rated voltage and current-carrying capacity of the base terminals.
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Approvals

Approvals



ROHS	Conform
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