

**Z-series, WeiCoS  
ZP 2.5/1AN/12****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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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/12
Order No.	<a href="#">1815580000</a>
Version	Z-series, WeiCoS, Plug-in connector, Wemid, Dark Beige, Direct mounting
GTIN (EAN)	4032248342648
Qty.	20 pc(s).

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## Technische Daten

### Dimensions and weights

Length	16 mm	Width	60 mm
Height of lowest version	41 mm	Net weight	38.85 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	Plugged	Version	Plug-in connector, Tension-clamp connection

### 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 <sup>2</sup>	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Gauge to IEC 60947-1	A2	Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section AWG, max.	AWG 26		

### Rated data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	500 V
Rated voltage to adjoining terminal	500 V	Rated impulse withstand voltage	6 kV
Rated impulse withstand voltage to adjacent terminal	6 kV	Rated current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1, IEC 61984
Pollution severity	3	Max. voltage of clamp support & pluggable system	690 V

### 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		

**Datenblatt**

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**Material data**

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

**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	2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
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**Approvals**

Approvals



ROHS	Conform
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