

**Z-series, WeiCoS  
ZPS 2.5/1AN/QV/16**

**Weidmüller Interface GmbH & Co. KG**  
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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**

Order No.	<a href="#">1866040000</a>
Type	ZPS 2.5/1AN/QV/16
Version	Z-series, WeiCoS, Coupling, Rated cross-section: 2.5 mm <sup>2</sup> , Plug-in connection, Beige, Direct mounting
GTIN (EAN)	4032248499342
Qty.	10 pc(s).

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**Technical data**
**Dimensions and weights**

Length	41 mm	Width	81.6 mm
Height	42 mm	Net weight	56.5 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	Version	Coupling, pluggable, Tension-clamp connection
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**CSA ratings data**

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

**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	0.13 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>	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 12		

**Rated data**

Rated cross-section	2.5 mm <sup>2</sup>	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
Pollution severity	3		

**UL ratings data**

Certificate No. (cURus)	E60693VOL1SEC76	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)	24 A
Current size D (cURus)	5 A	Voltage size C (cURus)	300 V
Voltage size D (cURus)	600 V		

**Data sheet...**

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**Technical data**

**Material data**

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

**System specifications**

Product family	Z-series, WeiCoS	Type of connection	Plug-in connection
Connection direction	top		

**Classifications**

ETIM 3.0	EC002021	UNSPSC	30-21-18-01
eClass 6.2	27-14-92-14	eClass 7.1	27-14-92-14

**Product information**

Descriptive text technical data	CSA voltage / current Gr. C 300 V / 20 A Gr. D 600 V / 5 A
Descriptive text accessories	2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

**Approvals**

Approvals



ROHS Conform