

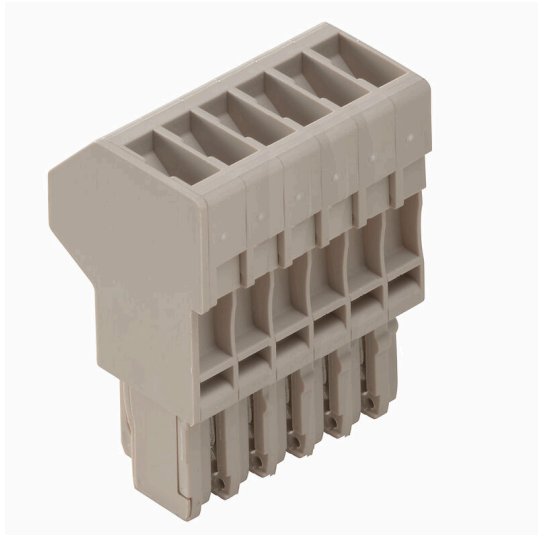
WP 2.5/1AN/6**Weidmüller Interface GmbH & Co. KG**

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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	Plug (terminal), Screw connection, 2.5 mm ² , 24 A, 500 V, Number of connections: 6, Number of poles: 6, Width: 31.6 mm
Order No.	1438240000
Type	WP 2.5/1AN/6
GTIN (EAN)	4050118260199
Qty.	50 items

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	22.9 mm	Height (inches)	0.9016 inch
Width	31.6 mm	Width (inches)	1.2441 inch
Net weight	24.92 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	Screw connection, Plug	End cover plate required	Yes
Number of potentials	6	Number of levels	1
Number of clamping points per level	1	PE connection	No

Additional technical data

Open sides	closed	Type of mounting	Plugged
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CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-70001233
Voltage size B (CSA)	300 V	Current size B (CSA)	20 A
Voltage size D (CSA)	300 V	Current size D (CSA)	10 A
Wire cross section min. (CSA)	16 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A4	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm	Stripping length	7 mm
Type of connection	Screw connection	Number of connections	6

Technical data

Clamping range, max.	4 mm ²	Clamping range, min.	0.13 mm ²
Clamping screw	M 2.5	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, max.	2.5 mm ²
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.	2.5 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.	2.5 mm ²
Wire connection cross section, finely stranded, min.	0.13 mm ²	Connection cross-section, stranded, max.	4 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		

General

Number of poles	6	Wire connection cross section AWG, max.	AWG 12
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
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	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size B (cURus)	300 V
Voltage size D (cURus)	300 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Current size B (cURus)	20 A	Voltage size C (cURus)	300 V
Current size C (cURus)	20 A	Current size D (cURus)	10 A
Conductor size Field wiring max. (cURus)	12 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		