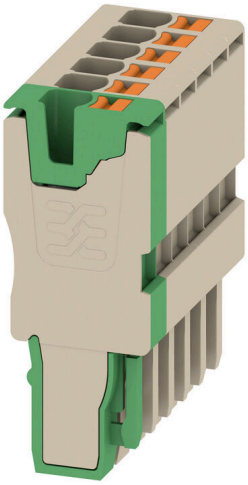
Data sheet

APG 2.5/6-5BG-GN

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



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, 2.5 mm², 800 V, 24 A, Number of poles: 6, beige
Order No.	2712770000
Type	APG 2.5/6-5BG-GN
GTIN (EAN)	4050118756036
Qty.	25 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	16.5 mm	Depth (inches)	0.6496 inch
Height	42.5 mm	Height (inches)	1.6732 inch
Width	30.6 mm	Width (inches)	1.2047 inch
Net weight	19.3 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	beige
Colour of operational elements	orange	UL 94 flammability rating	V-0

System specifications

End cover plate required	No	Number of potentials	6
Number of levels	1		

Additional technical data

Type of mounting	Plugged

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Stripping length	10 mm
Type of connection	PUSH IN	Number of connections	6
Clamping range, max.	2.5 mm²	Clamping range, min.	0.14 mm²
Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 28
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.14 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.14 mm²
Wire connection cross section, finely stranded, max.	2.5 mm²	Wire connection cross section, finely stranded, min.	0.14 mm²
Connection cross-section, stranded, max.	2.5 mm²	Connection cross-section, stranded, min.	0.14 mm²
Wire connection cross-section, solid core, max.	2.5 mm²	Wire connection cross-section, solid core, min.	0.14 mm²

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Technical data

General

Number of poles	6	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 28	Standards	In accordance with IEC 60947-7-1

Rating data

Rated cross-section	2.5 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	24 A
Current at maximum wires	24 A	Standards	In accordance with IEC 60947-7-1
Rated impulse withstand voltage	8 kV	Surge voltage category	III
Pollution severity	3		

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		

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Accessories

Plugs

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General ordering data

Type	APGCE	Version
Order No.	1514490000	Coding element (terminal), Wemid, orange, Width: 3.3 mm
GTIN (EAN)	4050118321906	
Qty.	50 ST	
Type	APGLE 2.5/4	Version
Order No.	2457570000	Locking clips (terminal), Wemid, orange
GTIN (EAN)	4050118473100	
Qty.	25 ST	
Type	APGSR 2.5/4	Version
Order No.	2457580000	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472998	
Qty.	25 ST	
Type	APGSR 2.5/4 - 4P	Version
Order No.	2457590000	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472967	
Qty.	25 ST	
Type	APGSR 2.5/4 - 8P	Version
Order No.	2457600000	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472929	
Qty.	25 ST	