

**APG 2.5/8-7BG-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 mm <sup>2</sup> , 800 V, 24 A, Number of poles: 8, beige
Order No.	<a href="#">2712790000</a>
Type	APG 2.5/8-7BG-GN
GTIN (EAN)	4050118756012
Qty.	20 items

## APG 2.5/8-7BG-GN

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## Technical data

### Approvals

ROHS	Conform
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### Dimensions and weights

Depth	16.5 mm	Depth (inches)	0.6496 inch
Height	42.5 mm	Height (inches)	1.6732 inch
Width	40.8 mm	Width (inches)	1.6063 inch
Net weight	28.85 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	8
Number of levels	1		

### Additional technical data

Type of mounting	Plugged
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### 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	8
Clamping range, max.	2.5 mm <sup>2</sup>	Clamping range, min.	0.14 mm <sup>2</sup>
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 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.14 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.14 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.14 mm <sup>2</sup>
Connection cross-section, stranded, max.	2.5 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.14 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.14 mm <sup>2</sup>

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## Technical data

### General

Number of poles	8	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 mm <sup>2</sup>	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

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### Plugs



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### General ordering data

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