

**APG 2.5/9-8BG-GN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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: 9, beige, green
Order No.	<a href="#">2712800000</a>
Type	APG 2.5/9-8BG-GN
GTIN (EAN)	4050118756005
Qty.	20 pc(s).

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## Technical data

## Dimensions and weights

Depth	16.5 mm	Depth (inches)	0.65 inch
Height	42.5 mm	Height (inches)	1.673 inch
Width	45.9 mm	Width (inches)	1.807 inch
Net weight	31.35 g		

## Temperatures

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

## Material data

Material	Wemid	Colour	beige, green
Colour of operational elements	orange	UL 94 flammability rating	V-0

## System specifications

End cover plate required	No	Number of levels	1
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## Additional technical data

Type of mounting	Plugged
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## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.14 mm <sup>2</sup>	Connection cross-section, stranded, max.	2.5 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>	Connection direction	top
Gauge to IEC 60947-1	A3	Number of connections	9
Stripping length	10 mm	Type of connection	PUSH IN
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 28
Wire connection cross section, finely stranded, max.	2.5 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, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>
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.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

## General

Number of poles	9	Standards	In accordance with IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 28

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Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	24 A
Current at maximum wires	24 A	Standards	In accordance with IEC 60947-7-1
Rated impulse withstand voltage	8 kV	Pollution severity	3
Surge voltage category	III		

**Classifications**

ETIM 6.0	EC002848	ETIM 7.0	EC002848
ETIM 8.0	EC002848	ETIM 9.0	EC002848
ECLASS 9.0	27-14-11-92	ECLASS 9.1	27-14-11-92
ECLASS 10.0	27-14-11-92	ECLASS 11.0	27-14-11-92
ECLASS 12.0	27-14-11-92	ECLASS 13.0	27-25-03-90

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">User Manual APGTB FT</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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The plugs can be securely and easily fixed to the base terminal by using a locking element. The locking element avoids an unintentional disconnection of the plugs from the base terminal and ensures maximum safety.

**General ordering data**

Type	APGLE 2.5/4	Version
Order No.	<a href="#">2457570000</a>	Locking clips (terminal), Wemid, orange
GTIN (EAN)	4050118473100	
Qty.	25 pc(s).	

**Strain reliefs**

The strain relief protects the contact against mechanical stress and protects the connector against inadvertent release from the contact point.

**General ordering data**

Type	APGSR 2.5/4	Version
Order No.	<a href="#">2457580000</a>	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472998	
Qty.	25 pc(s).	
Type	APGSR 2.5/4 - 4P	Version
Order No.	<a href="#">2457590000</a>	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472967	
Qty.	25 pc(s).	
Type	APGSR 2.5/4 - 8P	Version
Order No.	<a href="#">2457600000</a>	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472929	
Qty.	25 pc(s).	

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Through the use of coding pins, individual coding options ensure trouble-free plug-in connection.

**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 pc(s).	