

## APG 6/1

**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, 6 mm <sup>2</sup> , 500 V, 30 A, Number of poles: 1, dark beige
Order No.	<a href="#">2762320000</a>
Type	APG 6/1
GTIN (EAN)	4064675021322
Qty.	50 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

## Dimensions and weights

Depth	51 mm	Depth (inches)	2.0079 inch
Height	24.3 mm	Height (inches)	0.9567 inch
Width	8.1 mm	Width (inches)	0.3189 inch
Net weight	7.75 g		

## Temperatures

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	dark beige
Colour of operational elements	orange	UL 94 flammability rating	V-0

## System specifications

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

## Additional technical data

Open sides	closed	Type of mounting	Plugged
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## CSA rating data

Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	29 A	Certificate No. (CSA)	200039-80099474
Voltage size B (CSA)	300 V	Current size B (CSA)	29 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	22 AWG		

## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 8
Connection direction	top	Stripping length	12 mm
Type of connection	PUSH IN	Number of connections	1
Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>

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## Technical data

Blade size	1.0 x 5.5 mm	Wire connection cross section AWG, min.	AWG 22
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 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, finely stranded with wire-end ferrules DIN 46228/1, max.	6 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, max.	6 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>
Connection cross-section, stranded, max.	6 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

### General

Number of poles	1	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22	Standards	In accordance with IEC 60947-7-1

### Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	30 A
Current at maximum wires	3 A	Standards	In accordance with IEC 60947-7-1
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.31 mW
Surge voltage category	III	Pollution severity	3

### UL rating data

Conductor size Factory wiring max. (cURus)	8 AWG	Voltage size B (cURus)	600 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	22 AWG	Conductor size Factory wiring min. (cURus)	22 AWG
Current size B (cURus)	37 A	Voltage size C (cURus)	600 V
Current size C (cURus)	37 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	8 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		

