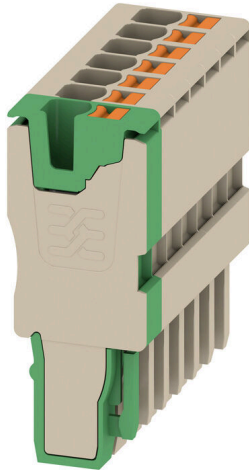


**APG 2.5/7-6BG-GN****Weidmüller Interface GmbH & Co. KG**

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: 7, beige |
| Order No.  | <a href="#">2712780000</a>   |
| Type       | APG 2.5/7-6BG-GN   |
| GTIN (EAN) | 4050118756029  |
| Qty.       | 25 items   |

## APG 2.5/7-6BG-GN

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## 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      | 35.7 mm | Width (inches)  | 1.4055 inch |
| Net weight | 22.53 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 | 7 |
| 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   | 7                    |
| 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> |

## APG 2.5/7-6BG-GN

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

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### General

|   |        |   |                                  |
|---|--------|---|----------------------------------|
| Number of poles                         | 7      | 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 |             |             |