

APG 2.5 L

Weidmüller Interface GmbH & Co. KG

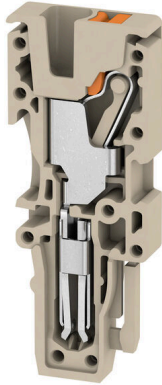
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



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 ² , 800 V, 24 A, Number of poles: 1, dark beige |
| Order No. | 1513830000 |
| Type | APG 2.5 L |
| GTIN (EAN) | 4050118321623 |
| 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 | 42.5 mm | Depth (inches) | 1.6732 inch |
| Height | 16.5 mm | Height (inches) | 0.6496 inch |
| Width | 5.1 mm | Width (inches) | 0.2008 inch |
| Net weight | 3.14 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °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 | Yes | Number of potentials | 1 |
| Number of levels | 1 | | |

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|-----------------|
| Wire cross section max. (CSA) | 12 AWG | Voltage size C (CSA) | 600 V |
| Current size C (CSA) | 20 A | Certificate No. (CSA) | 200039-70089609 |
| Voltage size B (CSA) | 600 V | Current size B (CSA) | 20 A |
| Voltage size D (CSA) | 600 V | Current size D (CSA) | 5 A |
| Wire cross section min. (CSA) | 28 AWG | | |

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 | 1 |
| Clamping range, max. | 2.5 mm ² | Clamping range, min. | 0.14 mm ² |
| 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 ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 mm ² |

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| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.14 mm ² |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Wire connection cross section, finely stranded, min. | 0.14 mm ² |
| Connection cross-section, stranded, max. | 2.5 mm ² | Connection cross-section, stranded, min. | 0.14 mm ² |
| Wire connection cross-section, solid core, max. | 2.5 mm ² | Wire connection cross-section, solid core, min. | 0.14 mm ² |

General

| | | | |
|---|--------|---|----------------------------------|
| Number of poles | 1 | 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 ² | 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 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 0.77 mW | Surge voltage category | III |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Voltage size B (cURus) | 600 V |
| Voltage size D (cURus) | 600 V | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 28 AWG | Conductor size Factory wiring min. (cURus) | 28 AWG |
| Current size B (cURus) | 20 A | Voltage size C (cURus) | 600 V |
| Current size C (cURus) | 20 A | Current size D (cURus) | 5 A |
| Conductor size Field wiring max. (cURus) | 12 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 | | |

Derating APG 2.5...

