

**APG 2.5 R****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 <sup>2</sup> , 800 V, 24 A, Number of poles: 1, dark beige |
| Order No.  | <a href="#">1513940000</a>                                              |
| Type       | APG 2.5 R                                                               |
| GTIN (EAN) | 4050118321548                                                           |
| Qty.       | 50 pc(s).                                                               |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 42.5 mm | Depth (inches)  | 1.673 inch |
| Height     | 16.5 mm | Height (inches) | 0.65 inch  |
| Width      | 5.1 mm  | Width (inches)  | 0.201 inch |
| Net weight | 3.31 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        |

## Material data

|                                |        |                           |            |
|--------------------------------|--------|---------------------------|------------|
| 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

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

## 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                                                                   | 1                   |
| 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                         | 1      | 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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## Rating data

|                                              |                     |                                 |                                  |
|----------------------------------------------|---------------------|---------------------------------|----------------------------------|
| 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 |
| 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 W              | Pollution severity              | 3                                |
| Surge voltage category                       | III                 |                                 |                                  |

## UL rating data

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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002848    | ETIM 7.0    | EC002848    |
| ETIM 8.0    | EC002848    | ETIM 9.0    | EC002848    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-25-03-90 |
| ECLASS 15.0 | 27-25-03-90 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319215/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319215/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/</a> |  |  |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| Certificate No. (cURus) | E60693                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |

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### Downloads

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

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## Drawings

