

**APG 6 L BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**General ordering data**

|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| Version    | Plug, 6 mm <sup>2</sup> , 500 V, 30 A, Number of poles: 1, dark beige |
| Order No.  | <a href="#">3002500000</a>                                            |
| Type       | APG 6 L BK                                                            |
| GTIN (EAN) | 4099986903371                                                         |
| Qty.       | 50 pc(s).                                                             |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 51 mm   | Depth (inches)  | 2.008 inch |
| Height     | 24.3 mm | Height (inches) | 0.957 inch |
| Width      | 8.1 mm  | Width (inches)  | 0.319 inch |
| Net weight | 7.755 g |                 |            |

## Temperatures

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

## Additional technical data

|            |      |                  |         |
|------------|------|------------------|---------|
| Open sides | Open | Type of mounting | Plugged |
|------------|------|------------------|---------|

## CSA rating data

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

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 6 mm <sup>2</sup>   |
| Clamping range, 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> | Connection direction                                                                    | top                 |
| Gauge to IEC 60947-1                                                                    | A5                  | Number of connections                                                                   | 1                   |
| Stripping length                                                                        | 12 mm               | Type of connection                                                                      | PUSH IN             |
| Wire connection cross section AWG, max.                                                 | AWG 8               | Wire connection cross section AWG, min.                                                 | AWG 22              |
| 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> |
| 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 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, solid core, max.                                         | 6 mm <sup>2</sup>   | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

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## Technical data

## General

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

## Rating data

|                                 |                   |                                             |                                  |
|---------------------------------|-------------------|---------------------------------------------|----------------------------------|
| Rated cross-section             | 6 mm <sup>2</sup> | Rated voltage                               | 500 V                            |
| Rated DC voltage                | 500 V             | Rated 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                          |
| Pollution severity              | 3                 | Surge voltage category                      | III                              |

## UL rating data

|                                            |        |                                            |       |
|--------------------------------------------|--------|--------------------------------------------|-------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 8 AWG |
| Conductor size Factory wiring min. (cURus) | 22 AWG | Conductor size Field wiring max. (cURus)   | 8 AWG |
| Conductor size Field wiring min. (cURus)   | 22 AWG | Current size B (cURus)                     | 37 A  |
| Current size C (cURus)                     | 37 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



|                         |            |
|-------------------------|------------|
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |

## Downloads

|                  |                                 |
|------------------|---------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a> |
|------------------|---------------------------------|