

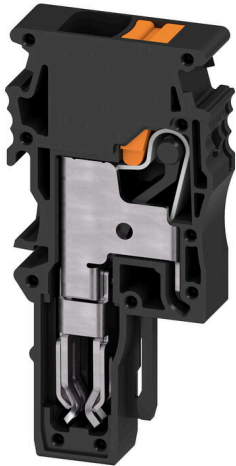
**APG 6 L BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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> , 800 V, 41 A, Number of poles: 1, black |
| Order No.  | <a href="#">3002500000</a>                                       |
| Type       | APG 6 L BK   |
| GTIN (EAN) | 409998690337 1   |
| Qty.       | 50 items   |

## APG 6 L BK

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## Technical data

## Approvals

Approvals



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                    | black |
| 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   | Number of clamping points per level | 1  |
| N-function               | No  | PE function                         | No |
| PEN function             | No  |                                     |    |

## Additional technical data

|                  |         |         |    |
|------------------|---------|---------|----|
| Open sides       | Open    | Snap-on | No |
| Type of mounting | Plugged |         |    |

## 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 |

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## Technical data

|   |                    |   |                     |
|---|--------------------|---|---------------------|
| Type of connection  | PUSH IN            | Number of connections   | 1                   |
| Clamping range, max.  | 10 mm <sup>2</sup> | Clamping range, min.  | 0.5 mm <sup>2</sup> |
| 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. | 10 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. | 10 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.                                    | 10 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 10 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                                | 800 V   |
| Rated voltage to adjoining terminal | 800 V                            | Rated DC voltage                             | 800 V   |
| Nominal current                     | 41 A                             | Current at maximum wires                     | 41 A    |
| Standards                           | In accordance with IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Rated impulse withstand voltage     | 8 kV                             | Power loss in accordance with IEC 60947-7-x  | 1.31 W  |
| 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 |             |             |

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## Accessories

### Plugs



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### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | APGLE 6                    | Version                                   |  |
| Order No.  | <a href="#">2762400000</a> | Locking element (terminal), Wemid, orange |  |
| GTIN (EAN) | 4064675021407              |   |  |
| Qty.       | 20 ST                      |   |  |
| Type       | APGSR 6                    | Version                                   |  |
| Order No.  | <a href="#">2762390000</a> | Strain relief (terminal), Wemid, orange   |  |
| GTIN (EAN) | 4064675021391              |   |  |
| Qty.       | 20 ST                      |   |  |

### DEK 5/8



#### WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | DEK-A 5/8 MM WS            | Version  |  |
| Order No.  | <a href="#">2448860000</a> | Dekafix, Terminal marker, 5 x 8.1 mm, Weidmueller, white |  |
| GTIN (EAN) | 4050118462968              |  |  |
| Qty.       | 500 ST                     |  |  |

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## Accessories

### Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
  - Strips for fast installation
  - Terminal markers, suitable for all Weidmüller cable connectors
  - Available as blank MultiCard or with standard printing
- For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | DEK 5/8 MC NE WS           | Version   |  |
| Order No.  | <a href="#">1856740000</a> | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |  |
| GTIN (EAN) | 4032248400850              | Weidmueller, white  |  |
| Qty.       | 800 ST                     |   |  |

### Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | SDS 1.0X5.5X150            | Version   |  |
| Order No.  | <a href="#">2749380000</a> | Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm |  |
| GTIN (EAN) | 4050118895605              |   |  |
| Qty.       | 1 ST                       |   |  |

### Plugs



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## Accessories

### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | APGCE                      | Version   |  |
| Order No.  | <a href="#">1514490000</a> | Coding element (terminal), Wemid, orange, Width: 3.3 mm |  |
| GTIN (EAN) | 4050118321906              |   |  |
| Qty.       | 50 ST                      |   |  |
| Type       | MCV APG 6                  | Version   |  |
| Order No.  | <a href="#">2762380000</a> | A-series, End plate                                     |  |
| GTIN (EAN) | 4064675021384              |   |  |
| Qty.       | 50 ST                      |   |  |