

## APG 6/2

**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: 2, beige |
| Order No.  | <a href="#">2882750000</a>                                       |
| Type       | APG 6/2                                                          |
| GTIN (EAN) | 4064675758273                                                    |
| Qty.       | 25 pc(s).                                                        |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 51 mm   | Depth (inches)  | 2.008 inch |
| Height     | 24 mm   | Height (inches) | 0.945 inch |
| Width      | 16.2 mm | Width (inches)  | 0.638 inch |
| Net weight | 15.2 g  |                 |            |

## Temperatures

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

## Material data

|                                |        |                           |       |
|--------------------------------|--------|---------------------------|-------|
| 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                | 2  |
| Number of levels         | 1  | Number of clamping points per level | 2  |
| N-function               | No | PE function                         | No |
| PEN function             | No |                                     |    |

## Additional technical data

|                  |         |         |    |
|------------------|---------|---------|----|
| Open sides       | closed  | Snap-on | No |
| 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                                                                   | 2                   |
| 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                         | 2     | 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 voltage to adjoining terminal | 500 V                            | Rated DC voltage                             | 500 V   |
| Rated current                       | 30 A                             | Current at maximum wires                     | 30 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  |
| 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



|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <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_319244/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319244/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Certificate No. (cURus) | E60693                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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## Technical data

### Downloads

Engineering Data

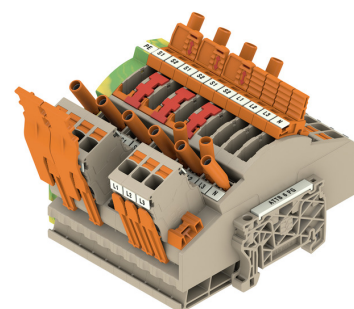
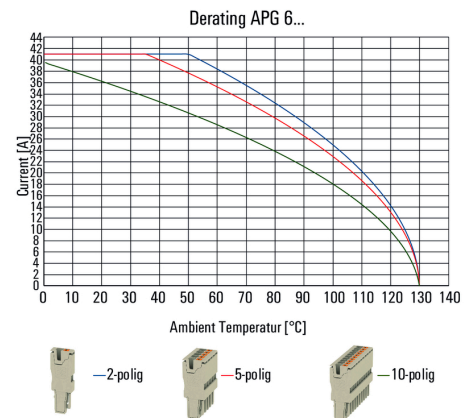
[CAD data – STEP](#)

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## Drawings



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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.

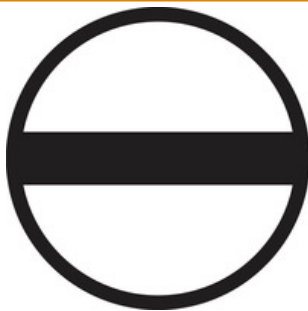
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**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 pc(s).                 |                                                           |

## 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 |
| GTIN (EAN) | 4050118895605              | thickness (A): 1 mm                                               |
| Qty.       | 1 pc(s).                   |                                                                   |

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

|            |                            |                                           |
|------------|----------------------------|-------------------------------------------|
| Type       | APGLE 6                    | Version                                   |
| Order No.  | <a href="#">2762400000</a> | Locking element (terminal), Wemid, orange |
| GTIN (EAN) | 4064675021407              |                                           |
| Qty.       | 20 pc(s).                  |                                           |

**Coding elements**

Through the use of coding pins, individual coding options ensure trouble-free plug-in connection.

**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 pc(s).                  |                                                         |

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## Accessories

## 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 pc(s).                 |                                                          |

## Strain reliefs



## General ordering data

|            |                            |                                         |
|------------|----------------------------|-----------------------------------------|
| Type       | APGSR 6                    | Version                                 |
| Order No.  | <a href="#">2762390000</a> | Strain relief (terminal), Wemid, orange |
| GTIN (EAN) | 4064675021391              |                                         |
| Qty.       | 20 pc(s).                  |                                         |