

**CPS 5.00/08/180F SN GN BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**General ordering data**

|              |   |
|--------------|---|
| Order No.    | <a href="#">2644780000</a>  |
| Type         | CPS 5.00/08/180F SN GN BX   |
| GTIN (EAN)   | 4050118642193   |
| Qty.         | 72 pc(s).   |
| Product data | IEC: 630 V / 15 A / 0.2 - 4 mm <sup>2</sup><br>UL: 300 V / 15 A / AWG 30 - AWG 12 |
| Packaging    | Box   |

Creation date April 16, 2021 6:26:45 AM CEST

Catalogue status 09.04.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |        |
|------------|--------|
| Net weight | 14.8 g |
|------------|--------|

## System Parameters

| Product family            | OMNIMATE basic – Series CPS | Type of connection       | Field connection |
|---------------------------|-----------------------------|--------------------------|------------------|
| Wire connection method    | Clamping yoke connection    | Pitch in mm (P)          | 5 mm             |
| Pitch in inches (P)       | 0.197 inch                  | Number of poles          | 8                |
| L1 in mm                  | 35 mm                       | L1 in inches             | 1.379 inch       |
| Number of rows            | 1                           | Pin series quantity      | 1                |
| Stripping length          | 7 mm                        | Tightening torque, min.  | 0.5 Nm           |
| Tightening torque, max.   | 0.55 Nm                     | Clamping screw           | M 3              |
| Screwdriver blade         | 0.6 x 3.5                   | Plugging cycles          | 150              |
| Plugging force/pole, max. | 1.2 N                       | Pulling force/pole, max. | 1.2 N            |

## Material data

| Insulating material         | PA           | Colour                      | Pale green   |
|-----------------------------|--------------|-----------------------------|--------------|
| Colour chart (similar)      | RAL 6021     | Insulating material group   | I            |
| Insulation strength         | 500 MΩ       | UL 94 flammability rating   | V-0          |
| Contact base material       | Copper alloy | Contact material            | Copper alloy |
| Contact surface             | tinned       | Tinning type                | matt         |
| Storage temperature, min.   | -40 °C       | Storage temperature, max.   | 70 °C        |
| Operating temperature, min. | -40 °C       | Operating temperature, max. | 105 °C       |

## Conductors suitable for connection

|   |                      |   |                     |
|---|----------------------|---|---------------------|
| Clamping range, min.                            | 0.2 mm <sup>2</sup>  | Clamping range, max.                            | 4 mm <sup>2</sup>   |
| Wire connection cross section AWG, min.         | AWG 30               | Wire connection cross section AWG, max.         | AWG 12              |
| Solid, min. H05(07) V-U                         | 0.2 mm <sup>2</sup>  | Solid, max. H05(07) V-U                         | 4 mm <sup>2</sup>   |
| Stranded, min. H07V-R                           | 0.05 mm <sup>2</sup> | Stranded, max. H07V-R                           | 4 mm <sup>2</sup>   |
| Flexible, min. H05(07) V-K                      | 0.2 mm <sup>2</sup>  | Flexible, max. H05(07) V-K                      | 4 mm <sup>2</sup>   |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm <sup>2</sup>  | w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm <sup>2</sup> |
| w. wire end ferrule, DIN 46228 pt 1, min.       | 0.2 mm <sup>2</sup>  | w. wire end ferrule, DIN 46228 pt 1, max.       | 2.5 mm <sup>2</sup> |

## Rated data acc. to IEC

|   |       |   |       |
|---|-------|---|-------|
| Rated current, min. number of poles (Tu=20°C)                             | 15 A  | Rated voltage for surge voltage class / pollution degree II/2         | 630 V |
| Rated voltage for surge voltage class / pollution degree III/2            | 320 V | Rated voltage for surge voltage class / pollution degree III/3        | 250 V |
| Rated impulse voltage for surge voltage class/ pollution degree II/2      | 4 kV  | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 4 kV  |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 4 kV  |   |       |

## Rated data acc. to CSA

|                                   |        |                                   |        |
|-----------------------------------|--------|-----------------------------------|--------|
| Rated voltage (Use group B / CSA) | 300 V  | Rated voltage (Use group D / CSA) | 300 V  |
| Rated current (Use group B / CSA) | 15 A   | Rated current (Use group D / CSA) | 10 A   |
| Wire cross-section, AWG, min.     | AWG 30 | Wire cross-section, AWG, max.     | AWG 12 |

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**Technical data**

**Rated data acc. to UL 1059**

Institute (cURus)



Certificate No. (cURus)

E60693

|                                       |  |                                       |        |
|---------------------------------------|--|---------------------------------------|--------|
| Rated voltage (Use group B / UL 1059) | 300 V  | Rated voltage (Use group D / UL 1059) | 300 V  |
| Rated current (Use group B / UL 1059) | 15 A   | Rated current (Use group D / UL 1059) | 10 A   |
| Wire cross-section, AWG, min.         | AWG 30   | Wire cross-section, AWG, max.         | AWG 12 |
| Reference to approval values          | Specifications are maximum values, details - see approval certificate. |                                       |        |

**Packing**

|           |     |            |   |
|-----------|-----|------------|---|
| Packaging | Box | VPE length | 0 |
| VPE width | 0   | VPE height | 0 |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002638    | ETIM 7.0    | EC002638    |
| ECLASS 9.0  | 27-44-03-09 | ECLASS 9.1  | 27-44-03-09 |
| ECLASS 10.0 | 27-44-03-09 | ECLASS 11.0 | 27-46-02-02 |

**Important note**

Notes

- Only compatible with OMNIMATE basic products
- P on drawing = pitch
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

**Downloads**

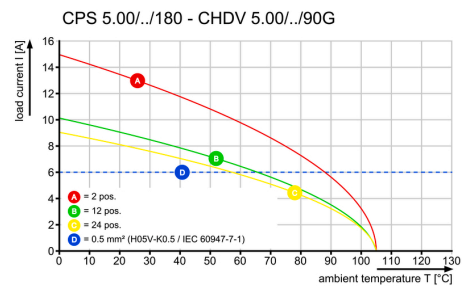
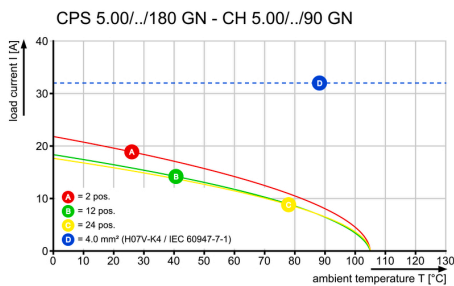
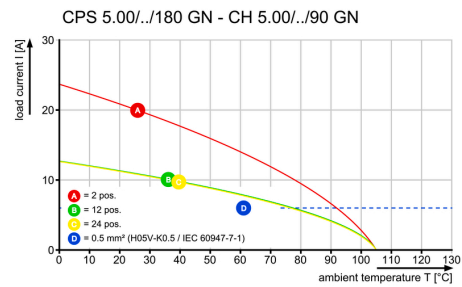
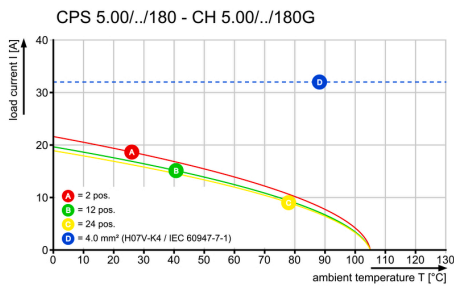
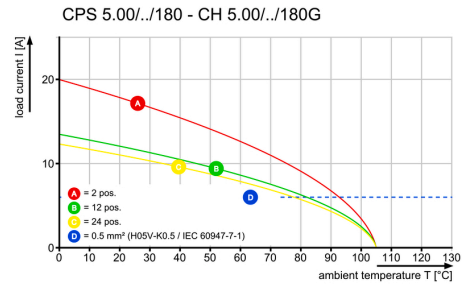
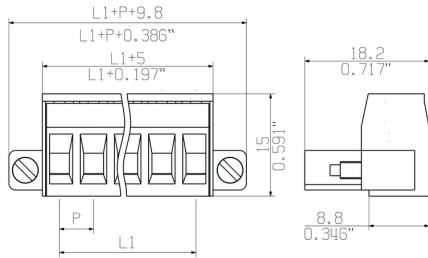
Brochure/Catalogue [Catalogues in PDF-format](#)

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Drawings



**Data sheet**

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**Drawings**

