

**OMNIMATE basic – Series CPS
CPS 5.08/02/180F SN GN BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

**General ordering data**

| | |
|--------------|---|
| Type | CPS 5.08/02/180F SN GN BX |
| Order No. | 2647940000 |
| GTIN (EAN) | 4050118639032 |
| Qty. | 180 pc(s). |
| Product data | IEC: 630 V / 15 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 |
| Packaging | Box |

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Technical data**Dimensions and weights**

| | |
|------------|-------|
| Net weight | 4.3 g |
|------------|-------|

System specifications

| Product family | OMNIMATE basic – Series CPS | Type of connection | Field connection |
|---------------------------|-----------------------------|--------------------------|------------------|
| Pitch in mm (P) | 5.08 mm | Pitch in inches (P) | 0.2 inch |
| Number of poles | 2 | L1 in mm | 5.08 mm |
| L1 in inches | 0.2 inch | Number of rows | 1 |
| Pin series quantity | 1 | Plugging cycles | 150 |
| Plugging force/pole, max. | 1.2 N | Pulling force/pole, max. | 1.2 N |

System Parameters

| Product family | OMNIMATE basic – Series CPS | Type of connection | Field connection |
|--------------------------|-----------------------------|----------------------------|------------------|
| Wire connection method | Clamping yoke connection | Pitch in mm (P) | 5.08 mm |
| Pitch in inches (P) | 0.2 inch | Conductor outlet direction | 180° |
| Number of poles | 2 | L1 in mm | 5.08 mm |
| L1 in inches | 0.2 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 |
| Operating temperature, min. | -40 °C | Operating temperature, max. | 105 °C |

Conductors suitable for connection

| | | | |
|---|----------------------|---|---------------------|
| Clamping range, min. | 0.2 mm ² | Clamping range, max. | 4 mm ² |
| 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 ² | Solid, max. H05(07) V-U | 4 mm ² |
| Stranded, min. H07V-R | 0.05 mm ² | Stranded, max. H07V-R | 4 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² | Flexible, max. H05(07) V-K | 4 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm ² | w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm ² |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.2 mm ² | w. wire end ferrule, DIN 46228 pt 1, max. | 2.5 mm ² |
| Max. clamping range | 4 mm ² | | |

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Technical data
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 |

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) |
| 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 | 170 mm |
| VPE width | 135 mm | VPE height | 50 mm |

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 | | |

Notes

| | |
|-------|--|
| Notes | <ul style="list-style-type: none"> • 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. |
|-------|--|

Data sheet

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Technical data

Approvals

Approvals



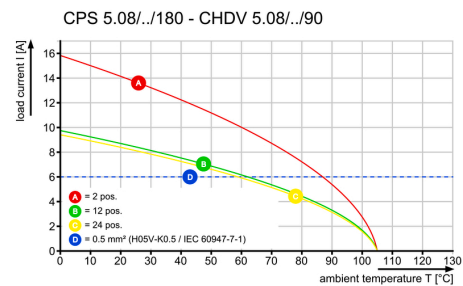
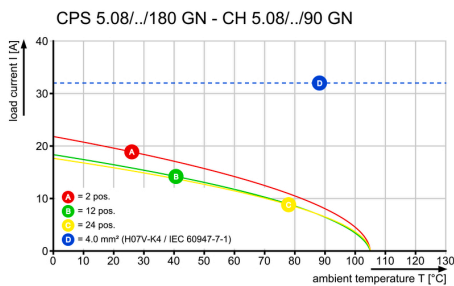
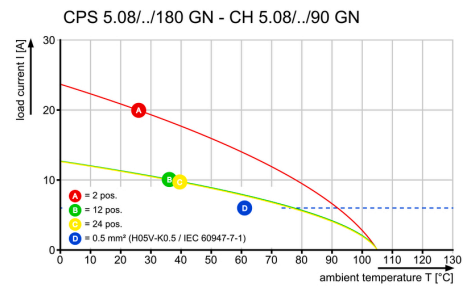
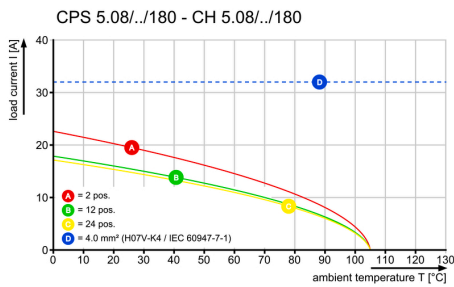
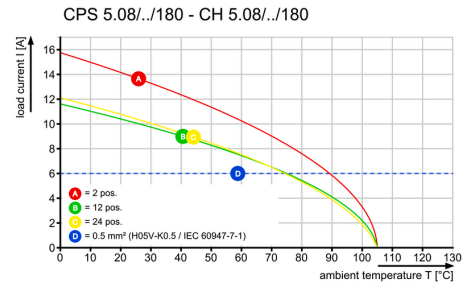
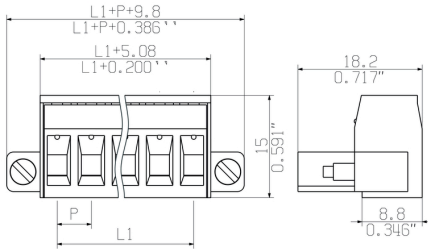
ROHS

Conform

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Drawings



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