



## Building Installation Connector System AC 166® G

Plug and Socket Connectors Flat Version

### AC 166 GBUF/515 WS



#### Order Info

|                             |               |
|-----------------------------|---------------|
| reference number (ref. no.) | 165455        |
| PU                          | 100           |
| EAN                         | 4028012107247 |

#### Type

|                                       |           |
|---------------------------------------|-----------|
| Type                                  | socket    |
| connection type                       | screw     |
| number of poles                       | 5 pole    |
| coding                                | 1 (mains) |
| colour                                | white     |
| protection against incorrect plugging | yes       |
| PE-function                           | yes       |
| strain relief                         | yes       |

#### Electrical Data

|                       |        |
|-----------------------|--------|
| rated voltage         | 400 V  |
| rated current         | 20 A   |
| rated impulse voltage | 4.0 kV |

#### Connection Data

|                           |                                |
|---------------------------|--------------------------------|
| cross-section rating      | 2.5 mm <sup>2</sup>            |
| cross-section rating (UL) | 14 AWG                         |
| clamping range            | 0.5 - 4.0 mm <sup>2</sup>      |
| sheathing cable diameter  | 9.3 - 10.3 mm                  |
| type of conductor         | fine stranded, stranded, solid |
| stripping length          | 7.0 mm                         |
| dismantling length        | 32.0 mm                        |
| dismantling length PE     | 39.0 mm                        |
| clamping units per pole   | 1                              |
| contact screw assembly    | 0.5 x 3.0 / ⚙ 0.3 Nm           |
| strain relief assembly    | PZ 1 / ⚙ 0.5 Nm                |

## Ambient Conditions

|                                                       |        |
|-------------------------------------------------------|--------|
| <b>T<sub>max</sub> ambient air (at rated current)</b> | 70 °C  |
| <b>T<sub>max</sub> component (operation)</b>          | 110 °C |
| <b>T<sub>min</sub> component (operation)</b>          | -20 °C |
| <b>IP Code acc. to EN 60529</b>                       | IP20   |
| <b>IP Code when plugged</b>                           | IP40   |

## Materials

|                                          |       |
|------------------------------------------|-------|
| <b>insulator material</b>                | PA    |
| <b>contact material</b>                  | brass |
| <b>flammability rating acc. to UL 94</b> | V-2   |

## Approvals

|                         |     |
|-------------------------|-----|
| <b>acc. to EN 61535</b> | yes |
| <b>acc. to UL</b>       | yes |
| <b>acc. to CSA</b>      | yes |

## Accessories

|                      |        |
|----------------------|--------|
| <b>AC 166 VSF SW</b> | 169563 |
| <b>AC 166 VSF WS</b> | 169553 |