



Building Installation Connector System AC 166®  
G  
Plug and Socket Connectors Flat Version  
AC 166 GBUF/310 PB ZEL SW



### Order Info

|                             |               |
|-----------------------------|---------------|
| reference number (ref. no.) | 17689         |
| PU                          | 200           |
| EAN                         | 4028012135424 |

### Type

|                                       |                   |
|---------------------------------------|-------------------|
| Type                                  | socket            |
| connection type                       | screw             |
| number of poles                       | 3 pole            |
| coding                                | 5 (DALI)          |
| colour                                | pastel blue black |
| protection against incorrect plugging | yes               |
| strain relief                         | yes               |

### Electrical Data

|                       |        |
|-----------------------|--------|
| rated voltage         | 250 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  | 4.5 - 5.5 mm                   |
| type of conductor         | fine stranded, stranded, solid |
| stripping length          | 7.0 mm                         |
| dismantling length        | 32.0 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

|   |        |
|---|--------|
| T <sub>max</sub> ambient air (at rated current) | 70 °C  |
| T <sub>max</sub> component (operation)          | 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 UL</b>  | yes |
| <b>acc. to CSA</b> | yes |

## Accessories

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