



Building Installation Connector System  
AC 166® G  
Plug and Socket Connectors Flat Version

## AC 166 GBUF/325 PB ZEL SW



### Order Info

|                             |       |
|-----------------------------|-------|
| reference number (ref. no.) | 23842 |
| PU                          | 0     |

### 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  | 9.5 - 10.5 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 / $\cup$ 0.3 Nm      |
| strain relief assembly    | PZ 1 / $\cup$ 0.5 Nm           |

### Ambient Conditions

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

|                      |      |
|----------------------|------|
| IP Code when plugged | IP40 |
|----------------------|------|

## Materials

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

## Approvals

|                  |     |
|------------------|-----|
| acc. to EN 61535 | yes |
| acc. to UL       | yes |
| acc. to CSA      | yes |
| acc. to CE       | yes |
| acc. to UKCA     | yes |

## Accessories

|               |        |
|---------------|--------|
| AC 166 VSF SW | 169563 |
| AC 166 VSF WS | 169553 |