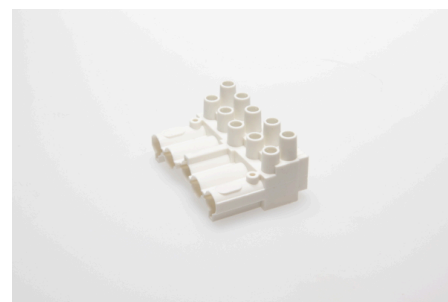




## Connectors System AC 166® Classic Plug and Socket Connectors Tall Version

### AC 166-A BUD/ 5 WS



#### Order Info

|                             |               |
|-----------------------------|---------------|
| reference number (ref. no.) | 163555        |
| PU                          | 100           |
| EAN                         | 4028012107131 |

#### Type

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

#### Electrical Data

|                       |        |
|-----------------------|--------|
| rated voltage         | 400 V  |
| rated current         | 16 A   |
| rated impulse voltage | 2.5 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>      |
| type of conductor         | fine stranded, stranded, solid |
| stripping length          | 7.0 mm                         |
| fixing                    | Screw                          |
| clamping units per pole   | 2                              |
| mounting hole diameter    | 3.5 mm                         |

#### 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

|  |       |
|--|-------|
| <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 61984</b> | yes |
| <b>acc. to UL</b>       | yes |
| <b>acc. to CSA</b>      | yes |

## Accessories

|                             |        |
|-----------------------------|--------|
| <b>AC 166-A ZEL/ 5 WS</b>   | 166655 |
| <b>AC 166-A ZEL/ 5 O WS</b> | 17631  |