



## Building Installation Connector System AC 166®

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Plug and Socket Connectors Tall Version

### AC 166 GST/ 3 KG



#### Order Info

reference number (ref. no.)	162003
PU	200
EAN	4028012106936

#### Type

Type	plug
connection type	screw
number of poles	3 pole
coding	2 (mains)
colour	pebble grey
protection against incorrect plugging	yes
PE-function	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>
type of conductor	fine stranded, stranded, solid
stripping length	7.0 mm
fixing	Screw
clamping units per pole	1
contact screw assembly	0.8 x 4.0 / ⌀ 0.5 Nm
mounting hole diameter	3.1 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

<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 166-1/ 3 ZEL F SW</b>	166163
<b>AC 166-1/ 3 ZEL F WS</b>	166153
<b>AC 166-1/ 3 ZEL FEH SW</b>	12821
<b>AC 166-1/ 3 ZEL FH SW</b>	12825
<b>AC 166-1/ 3 ZEL FH WS</b>	12829
<b>AC 166-1/ 3 ZEL R SW</b>	166063
<b>AC 166-1/ 3 ZEL R WS</b>	166053
<b>AC 166-1/ 3 ZEL RH SW</b>	12861
<b>AC 166-1/ 3 ZEL RH WS</b>	12864
<b>AC 166-1/ 6 ZEL R SW</b>	166066
<b>AC 166-1/ 6 ZEL R WS</b>	166056
<b>AC 166-1/ 6 ZEL RH SW</b>	13015
<b>AC 166-1/ 6 ZEL RH WS</b>	13016