



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

## AC 166 GBUF/325 SW



### Order Info

reference number (ref. no.)	165663
PU	200
EAN	4028012102105

### Type

Type	socket
core cross-section	2.5 mm <sup>2</sup>
connection type	screw
number of poles	3 pole
coding	1 (mains) black
colour	black
protection against incorrect plugging	yes
PE-function	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
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

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