



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
Type1	socket
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
maintenance-free	no

Electrical Data

rated voltage	250 V
rated voltage (UL)	600 V
rated current	20 A
rated current (UL)	16 A
rated impulse voltage	4 kV

Connection Data

rated connecting capacity	0.5-4.0 mm ²
cross-sectional area (UL)	14-18 AWG
clamping range	0.5-4.0 mm ²
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 / \cup 0.3 Nm

pole marking	L1 ⊕ N
strain relief assembly	PZ 1 /  0.5 Nm

Ambient Conditions

T _{max} ambient air (at rated current)	70 °C
T _{max} component (operation)	110 °C
T _{min} 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
halogen-free	yes

Approvals

acc. to EN 61535	
acc. to UL	
acc. to CSA	

Accessories

AC 166 VSF SW	169563
AC 166 VSF WS	169553