



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

AC 166 GSTF/515 WS



Order Info

reference number (ref. no.)	162455
PU	100
EAN	4028012106981

Type

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

Electrical Data

rated voltage	400 V
rated current	20 A
rated impulse voltage	4.0 kV

Connection Data

cross-section rating	2.5 mm ²
cross-section rating (UL)	14 AWG
clamping range	0.5 - 4.0 mm ²
sheathing cable diameter	9.3 - 10.3 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
strain relief assembly	PZ 1 / \cup 0.5 Nm

Ambient Conditions

T _{max} ambient air (at rated current)	70 °C
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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

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