



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

AC 166 GBU/ 3 BR



Order Info

reference number (ref. no.)	165093
PU	200
EAN	4028012107216

Type

Type	socket
connection type	screw
number of poles	3 pole
coding	4 (control)
colour	brown
protection against incorrect plugging	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 ²
cross-section rating (UL)	14 AWG
clamping range	0.5 - 4.0 mm ²
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 _{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
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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

Accessories

AC 166-1/ 3 ZEL F SW	166163
AC 166-1/ 3 ZEL F WS	166153
AC 166-1/ 3 ZEL FEO SW	12822
AC 166-1/ 3 ZEL FO SW	12833
AC 166-1/ 3 ZEL FO WS	12837
AC 166-1/ 3 ZEL R SW	166063
AC 166-1/ 3 ZEL R WS	166053
AC 166-1/ 3 ZEL RO SW	12873
AC 166-1/ 3 ZEL RO WS	12883
AC 166-1/ 6 ZEL R SW	166066
AC 166-1/ 6 ZEL R WS	166056
AC 166-1/ 6 ZEL RO SW	13019
AC 166-1/ 6 ZEL RO WS	13020