



AC 166® G 3 pole

AC 166 GSTPF/3 and GBUPF/3 - 3 pole flat plugs and sockets with strain relief, screwless, with clamping spring terminals

Approvals				
Click for Approvals (PDF)				
Nominal cross-section	mm ²	1,5 / 2,5	14 AWG 16 amp.	1,5/2,5
Voltage rating	V	250	600	250

Technical data

Connection	clamping spring contacts, 2 clamping units per pole conductor size 0.5 - 2.5 mm ² solid or flexible, sealed conductor size 0.5 - 1.5 mm ² flexible with ferrules cable outlet 2 round conductors 3 x 1.5 mm ² : Ø 7.5 - 8.5 mm 2 round conductors 3 x 2.5 mm ² : Ø 9.5 - 10.5 mm
Mouldings	polyamide 6/6, black, white or light red (light red version with black strain relief) flammability rating to UL 94: V-2 continuous working temperature 100 °C short-time temperature 160 °C
Contacts	brass, plated clamping springs: spring steel
Screws	M3: ⌀ max. 0.5 Nm (strain relief upper part) C2.9: ⌀ max. 0.5 Nm (strain relief bottom part) steel, zinc plated, chromed
Current rating	to EN 60320: 16 A at T 70 °C to EN 61984: 16 A at T 70 °C
Upper limit temperature	to EN 61984: 110 °C
Stripping length	8 - 9 mm
Dismantling length	42 mm (PE), 35 mm (L N)
Protection class	IP 20 IP 40 - when plugged-in

Upon request

printed with "5 kV", different housing screws; further product variants [here](#)

Variants

AC 166 GST/3 and GBU/3	3 pole plugs and sockets
AC 166 GSTF/3 and GBUF/3	3 pole flat plugs and sockets, complete with strain relief
AC 166 GSTF/3 and GBUF/3 Cod.	3 pole flat plugs and sockets, with strain relief, in various coding variants

Accessories

AC 166 VSE, VSF, VSL	latches
AC 166 GKU	3 pole connecting links
AC 166 VSS	12 pole locking pins
AC 166 GVT 3/3	3 pole distributing blocks (1 input, 2 output terminals)
AC 166 GVT 4/3	3 pole distributing blocks (1 input, 3 output terminals)
AC 166 GVT 6/3	3 pole distributing blocks (1 input, 5 output terminals)

Order info

Description	Item	Order No.	PU
Plugs			
Coding 1 (L PE N)	AC 166 GSTPF/ 3 white	162553	200 >☒
	AC 166 GSTPF/ 3 black	162563	200 >☒
Coding 3 (L PE N)	AC 166 GSTPF/ 3 light red	162563R	200 >☒
Sockets			
Coding 1 (N PE L)	AC 166 GBUPF/ 3 white	165553	200 >☒
	AC 166 GBUPF/ 3 black	165563	200 >☒
Coding 3 (N PE L)	AC 166 GBUPF/ 3 light red	165563R	200 >☒