



AC 166® G 3 pole

AC 166 GSTF/3 and GBUF/3 - 3 pole flat plugs and sockets, complete with strain relief

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

Technical data

Connection	screw conductor size 0.5 - 2.5 mm ² cable outlet 3 x 1.5 mm ² : Ø 7.5 - 8.5 mm 3 x 2.5 mm ² : Ø 9.5 - 10.5 mm
Mouldings	polyamide 6/6, black or white (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
Screws	M3: ⌀ max. 0.3 Nm (conductor) C2.9: ⌀ max. 0.5 Nm (strain relief) steel, zinc plated, chromed
Voltage rating	Rated voltage 250 V Rated impuls voltage 4kV (Pollution degree 2)
Current rating	to EN 61535: 20 A at T 70 °C to EN 61984: 16 A at T 70 °C
Upper limit temperature	to EN 61984: 110 °C
Stripping length	7 mm
Dismantling length	39 mm (PE), 32 mm (L N)
Protection class	IP 20 IP 40 - when plugged in

Upon request

connectors for 0.5 mm², 0.75 mm² and 1.0 mm², different polyamides (in particular glow wire to EN 60335-1), 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 Cod.	3 pole flat plugs and sockets, with strain relief, in various coding variants
AC 166 GSTPF/3 and GBUPF/3	3 pole flat plugs and sockets with strain relief, screwless, with clamping spring terminals

Accessories

AC 166 VKE and VKH	3 pole protective caps to seal inactive terminals
AC 166 GKU	3 pole connecting links
AC 166 VSE, VSF, VSL	latches
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, Connection 1.5 mm²				
Coding 1 (L PE N)	AC 166 GSTF/ 315 white	162453	200	>☞
	AC 166 GSTF/ 315 black	162463	200	>☞
Plugs, Connection 2.5 mm²				

Coding 1 (L PE N)	AC 166 GSTF/ 325 white	162653	200	>☒
	AC 166 GSTF/ 325 white	162663	200	>☒
Sockets, Connection 1.5 mm²				
Coding 1 (N PE L)	AC 166 GBUF/ 315 white	165453	200	>☒
	AC 166 GBUF/ 315 black	165463	200	>☒
Sockets, Connection 2.5 mm²				
Coding 1 (N PE L)	AC 166 GBUF/ 325 white	165653	200	>☒
	AC 166 GBUF/ 325 black	165663	200	>☒