



AC 166® G 5 pole

AC 166 GSTF/5 and GBUF/5 - 5 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.	applied for: 1,5 / 2,5
Voltage rating	V	400	600	600	400

Technical data

Connection	screw conductor size 0.5 - 2.5 mm ² cable outlet 5 x 1.5 mm ² : Ø 9.3 - 10.3 mm 5 x 2.5 mm ² : Ø 11.3 - 12.3 mm
Mouldings	polyamide 6/6, black, white, pastel blue 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
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	52 mm (PE), 45 mm (L1 L2 N L3 resp. + - N L)
Protection class	IP 20 IP 40 - when plugged in

Upon request

connectors for 0.5 mm², 0.75 mm² and 1.0 mm², different housing screws; further product variants [here](#)

Accessories

AC 166 VSE, VSF, VSL	latches
AC 166 VSS	12 pole locking pins

Order info

Description	Item	Order No.	PU	
Plugs, Connection 1.5 mm²				
Coding 1 (1 2 PE N 3)	AC 166 GSTF/ 515 white	162455	100	> ☞
	AC 166 GSTF/ 515 black	162465	100	> ☞
Coding 2 (+ - PE N L) DALI	AC 166 GSTF/ 515 pastel blue	162465P	100	> ☞
Plugs, Connection 2.5 mm²				
Coding 1 (1 2 PE N 3)	AC 166 GSTF/ 525 white	162655	100	> ☞
	AC 166 GSTF/ 525 black	162665	100	> ☞
Sockets, Connection 1.5 mm²				
Coding 1 (3 N PE 2 1)	AC 166 GBUF/ 515 white	165455	100	> ☞
	AC 166 GBUF/ 515 black	165465	100	> ☞
Coding 2 (L N PE - +) DALI	AC 166 GBUF/ 515 pastel blue	165465P	100	> ☞
Sockets, Connection 2.5 mm²				
Coding 1 (3 N PE 2 1)	AC 166 GBUF/ 525 white	165655	100	> ☞
	AC 166 GBUF/ 525 black	165665	100	> ☞