

Technical Characteristics

Materials & Platings

Shell	Stainless and Soft Steel (Ni plated)
Housing	Plug: thermoplastic
Insulator	Thermoplastic
Pin & Socket body	Brass, Au/Ni
Socket wires	Copper alloy, Au/Ni

Environmental

Temperature range	-40 °C to +100 °C
Fire classification	Exigence 3 following NF F 16-102
Salt spray test	96 hours (5% Na Cl)
Acid withstanding	Following NF F 61030 § 11.4.4

Electrical

BC & BG

Contact Ø	1.50	2.00	3.00
Creepage distance	8 mm	6.80 mm	17 mm
Clearance distance	3.7 mm	5 mm	5.60 mm
Working current	8 A	16 A	25 A
Insulation resistance	≥ 5.10 ³ MΩ		
Contact resistance	≤ 2.50 mΩ	≤ 1.20 mΩ	≤ 0.70 mΩ
Dielectric withstanding voltage	3000 Vrms	4000 Vrms	3900 Vrms
Voltage rating	<500 V		
Contact holding back in the module	70 N	90 N	110 N
Max male contact mass	1.10 g	3.10 g	6.70 g
Max female contact mass	0.70 g	2.50 g	5.00 g
IF/SF* (max value)	0.45 N	1.80 N	3.00 N

BE & BF

Contact Ø	1.50	2.50	3.50
Creepage distance	1.85 mm	2.25 mm	4.05 mm
Clearance distance	1.25 mm	3.40 mm	5.40 mm
Working current	8 A	16 A	25 A
Insulation resistance	≥ 5.10 ³ MΩ		
Contact resistance	≤ 2.50 mΩ	≤ 1.00 mΩ	≤ 0.80 mΩ
Dielectric withstanding voltage	1500 Vrms	2000 Vrms	3000 Vrms
Voltage rating	110 V	220 V	220 V
Contact holding back in the module	40 N	50 N	70 N
Max male contact mass	1.10 g	2.90 g	4.90 g
Max female contact mass	0.70 g	1.60 g	2.70 g
IF/SF* (max value)	0.45 N	1.80 N	3.00 N

* IF/SF: insertion and separation force