

TECHNICAL DATA

Material		DIN 41617	DIN 41617 / DIN EN 60603
Insulator		Polycarbonat GF	
Contacts		Copper alloy	
Flammability		UL 94 V-1	
Initial contact resistance		≤ 15 mΩ	≤ 10 mΩ
Initial insulation resistance	Quality class 1	≥ 10 ¹² Ω	≥ 10 ¹¹ Ω
	Quality class 2	≥ 10 ¹¹ Ω	
	Quality class 3	≥ 10 ¹⁰ Ω	
Creepage distance	Contact-Ground	≥ 1 mm	≥ 1.2 mm
	Contact-Contact	≥ 0.5 mm	
Clearance distance	Contact-Ground	≥ 1 mm	≥ 1.2 mm
	Contact-Contact	≥ 1 mm	
Voltage Proof U eff.	Contact-Ground	900 V	1000 V
	Contact-Contact	1150 V	1550 V
Working voltage		250 V depending on insulation coordination (refer to DIN VDE 0110/IEC 664-1)	
Working current	+ 20 °C	Quality class 1 + 2 = 4 A max.	
	+ 70 °C	Quality class 3 = 2 A max.	
	+ 100 °C		
Working temperature	Quality class 1	-65 °C to +125 °C	
	Quality class 2	-55 °C to +125 °C	
	Quality class 3	-25 °C to + 85 °C	
Mating and unmating forces (F max.)	13 pos.	32 N/AU	30 N/AG
	21 pos.	33 N/AU	48 N/AG
	31 pos.	48 N/AU	70 N/AG
		31 + 1 pos. 80 N	
Quality class 3	50 cycles		50 cycles
Quality class 2	400 cycles		400 cycles
Quality class 1	500 cycles		500 cycles
Silver plating		500 cycles	

Technical alterations are subjects to change without notice.

Derating-Diagramm DIN 41617

