

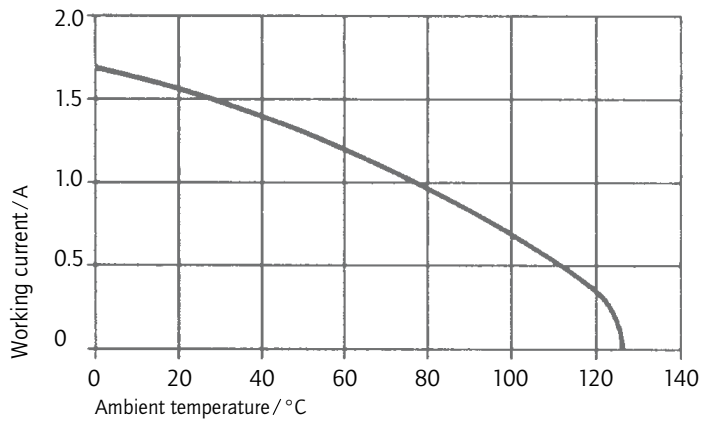
TECHNICAL DATA

Materials		Type F	Type G	Type H	Mixed version	
Insulator		PBT GF	PBT GF	PC (Polycarbonat)		
Flammability		UL94 V-0	UL94 V-0	UL94 V-1		
Contacts		Copper alloy				
Contact Plating		gold over nickel		silver	gold over nickel	silver
Creepage distance	contact-ground	≥ 1.6 mm	≥ 1.6 mm (f+z)	≥ 4.5 mm	≥ 1.6 mm	≥ 4.5 mm
	contact-contact					
Clearance distance	contact-ground	≥ 3 mm	≥ 3 mm	≥ 8 mm	≥ 3 mm	≥ 8 mm
	contact-contact		≥ 1.9 mm (f+z)			
Initial contact resistance		≤ 15 mΩ				≤ 8 mΩ
Initial insulation resistance	Quality class 1	≥ 10 ¹² Ω				
	Quality class 2	≥ 10 ¹² Ω				
	Quality class 3	≥ 10 ¹¹ Ω				
Working voltage		125 V	500 V	125 V	500 V	
depending on insulation coordination (refer to DIN VDE 0110 / IEC 664-1)						
Working current	+ 20 °C	5.5 A	15 A	5.5 A	15 A	
	+ 70 °C	4 A	12 A	4 A	12 A	
	+ 100 °C	2.5 A	8 A	2.5 A	8 A	
Working temperature		-55 °C to +125 °C				
Insulation group		C				
Test voltage V.r.m.s.	contact-ground	2550 V	2500 V	3100 V	1550 V	3100 V
	contact-contact	1550 V	1550 V	3100 V	1550 V	3100 V
Insertion and withdrawal forces max.		32 positions 50 N 48 positions 75 N	64 positions 100 N	11 positions 80 N 15 positions 90 N	16+7 positions 67 N 24+7 positions 79 N 36+7 positions 96 N	
Quality class 3		50 cycles				
Quality class 2		400 cycles		500 cycles		
Quality class 1		500 cycles				

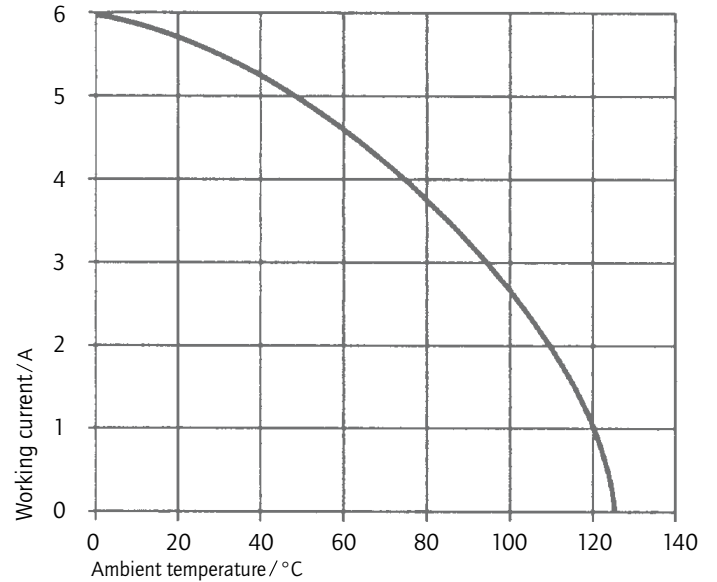
Technical alterations are subjects to change without notice.

DERATING DIAGRAMS

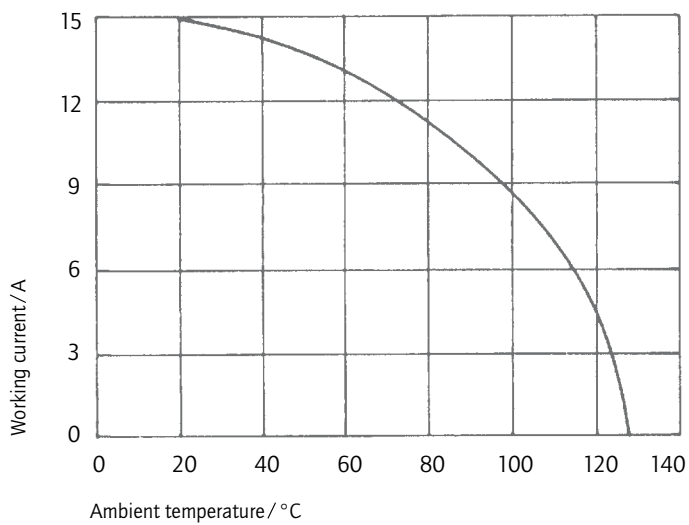
Types B, C, R



Types D, E, F, G



Type H 15



Type H 11

