

Accessories

Auxiliary contact block technical data

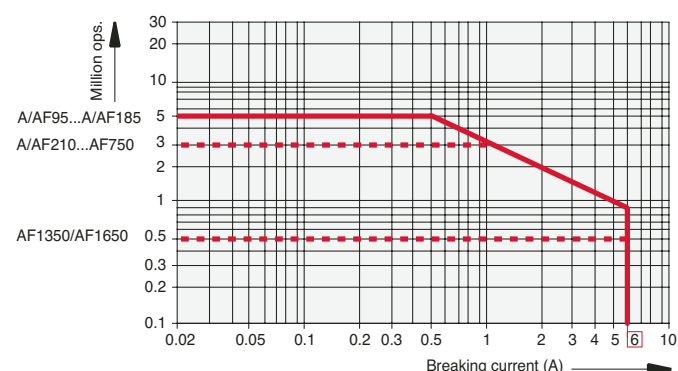
CA5/CAL5-11/CAL18-11/CC5

Across the line
contactors

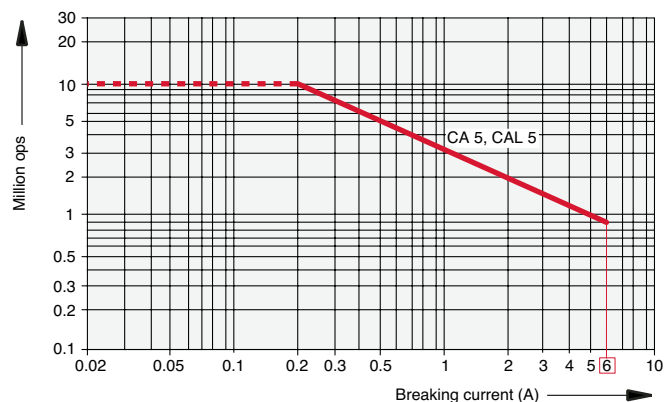
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Types	1-pole CA5, 4-pole CA5 2-pole CAL5-11 and 1-pole CC5		CAL18-11 CAL18-11B
Standards	IEC 947-5-1 and EN 60947-5-1		
Rated insulation voltage U_i according to IEC 947-5-1	V	690	690
according to UL/CSA	V	600	690
Rated operational voltage U_e	~ V	24 to 690	
Conventional thermal current I_{th}	A	16	
Rated operational current I_e in AC-15 acc. to IEC 947-5-1	24 to 127 V A 220 to 240 V A 380 to 440 V A 500 to 690 V A	6 4 3 2	
in DC-13 acc. to IEC 947-5-1	24 V A 48 V A 72 V A 125 V A 250 V A	6 2.8 1 0.55 0.3	
Connecting terminals (delivered in open position. Screws of unused terminals should be tightened).	M 3.5 (+,-) pozidriv 2 screw with cable clamp		
Connecting capacity			
• Rigid solid	1 or 2 x mm ²	1 to 4	
• Flexible with cable end	1 x mm ² 2 x mm ²	0.75 to 2.5 0.75 to 2.5	
Mechanical durability	cycles	10 million, A9 - A75; 3 million, A95 & A110;	5 million, A/AF95 - A/AF185; 3 million, A/AF210 - AF750; 0.5 million, AF1350 & AF1650
Max. switching frequency	cycles/h	3600	
Electrical durability		See curve below	
Max. switching frequency	cycles/h	1200	
Rated making capacity Rated breaking capacity		10 x I_e AC-15 10 x I_e AC-15	
Rated short-time withstand current I_{cw} q = 40°C	1 s A 0.1 s A	100 140	
Min. switching capacity		17 V / 5 mA, A9 - A75; 24V / 50 mA, A95 & A110	24V / 50 mA
Short-circuit protection - gG (gl) fuses	A	10	
Power loss per pole at 6 A	W	0.15	
Degree of protection according to IEC 529, IEC 144, DIN 40 050 and NFC 20-010		IP 20	

CAL18



CA5, CAL5



Electrical durability

AC-15 according to IEC 947-5-1

making current: $10 \times I_e$ where $\cos \varphi = 0.7$ and U_e

breaking current: I_e where $\cos \varphi = 0.4$ and U_e

The curves opposite show the electrical durability of the auxiliary contact blocks according to breaking current I_c .

These curves have been plotted for resistive and inductive loads up to 690 V, 40 to 60 Hz.