

IEC Technical data

AL9 – AL40

Across the line
contactors

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Built-in Auxiliary Contacts - Utilization Characteristics

Contactor types: AL	AL9	AL12	AL16	AL26	AL30	AL40
Rated operational voltage U_o max. V			690			
Conventional free air thermal current I_m - $\theta \leq 40$ °C A			16			
Rated frequency limits Hz			25 ... 400			
Rated operational current I_o / AC-15 according to IEC 60947-5-1						
24-127 V 50/60 Hz A			6			
220-240 V 50/60 Hz A			4			
380-440 V 50/60 Hz A			3			
500 V 50/60 Hz A			2			
690 V 50/60 Hz A			2			
Rated operational current I_o / DC-13 according to IEC 60947-5-1						
24 V d.c. A / W			6 / 144			
48 V d.c. A / W			2.8 / 134			
72 V d.c. A / W			2 / 144			
125 V d.c. A / W			1.1 / 138			
250 V d.c. A / W			0.55 / 138			
Rated making capacity acc. to IEC 60947-5-1			10 x I_o / AC-15			
Rated breaking capacity acc. to IEC 60947-5-1			10 x I_o / AC-15			
Short-circuit protection gG type fuse A			10			
Rated short-time withstand current I_{cw}						
for 1.0 s A			100			
for 0.1 s A			140			
Minimum switching capacity V / mA			17 / 5			
Non-overlapping time between N.O. and N.C. contacts ms			≥ 2			
Insulating resistance at 500 V d.c. after durability test MOhm			5			
Heat dissipation per pole at 6 A W			0.10			