

IEC Technical data

A9 – AF750

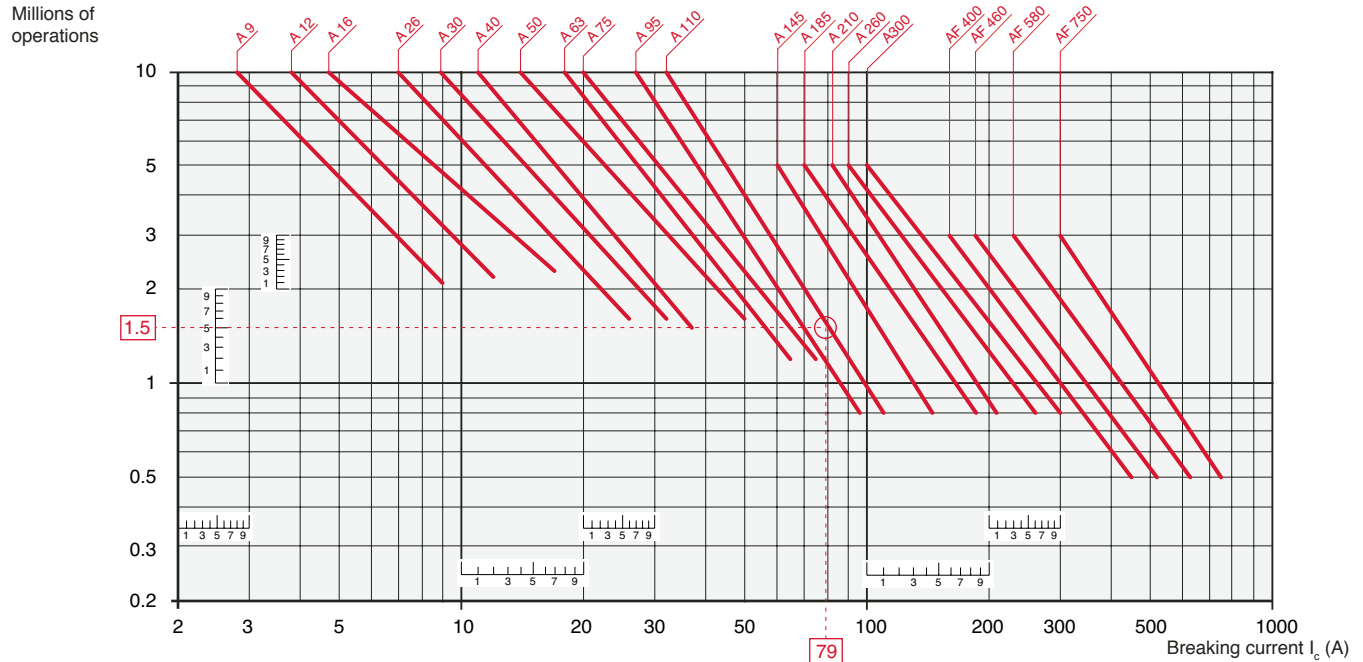
Electrical durability

Across the line
contactors

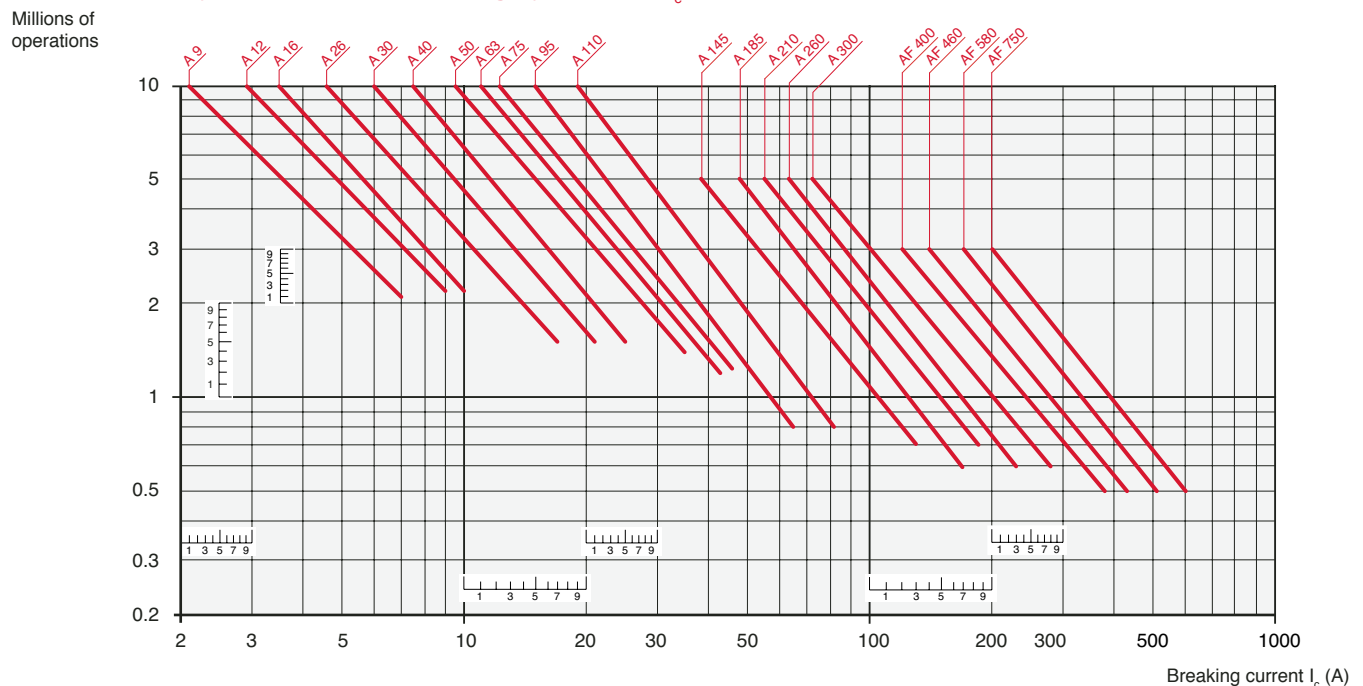
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Switching cage motors: starting and switching off running motors. The breaking current I_c for AC-3 is equal to the rated operational current I_o (I_o = motor full load current).

Electrical Durability for AC-3 Utilization Category - $U_o \leq 440$ V. Ambient Temperature ≤ 55 °C



Electrical Durability for AC-3 Utilization Category - 440 V < $U_o \leq 690$ V. Ambient Temperature ≤ 55 °C



Example:

Motor power 40 kW for AC-3 - $U_o = 400$ V utilization – Electrical durability required = 1.5 million operations.
40 kW, 400 V corresponds to $I_o = 79$ A. For AC-3: $I_c = I_o$. Select the A 110 contactor at intersection "O" (79 A / 1.5 million operations) on the curves (AC-3 - $U_o \leq 440$ V).