

IEC Technical data

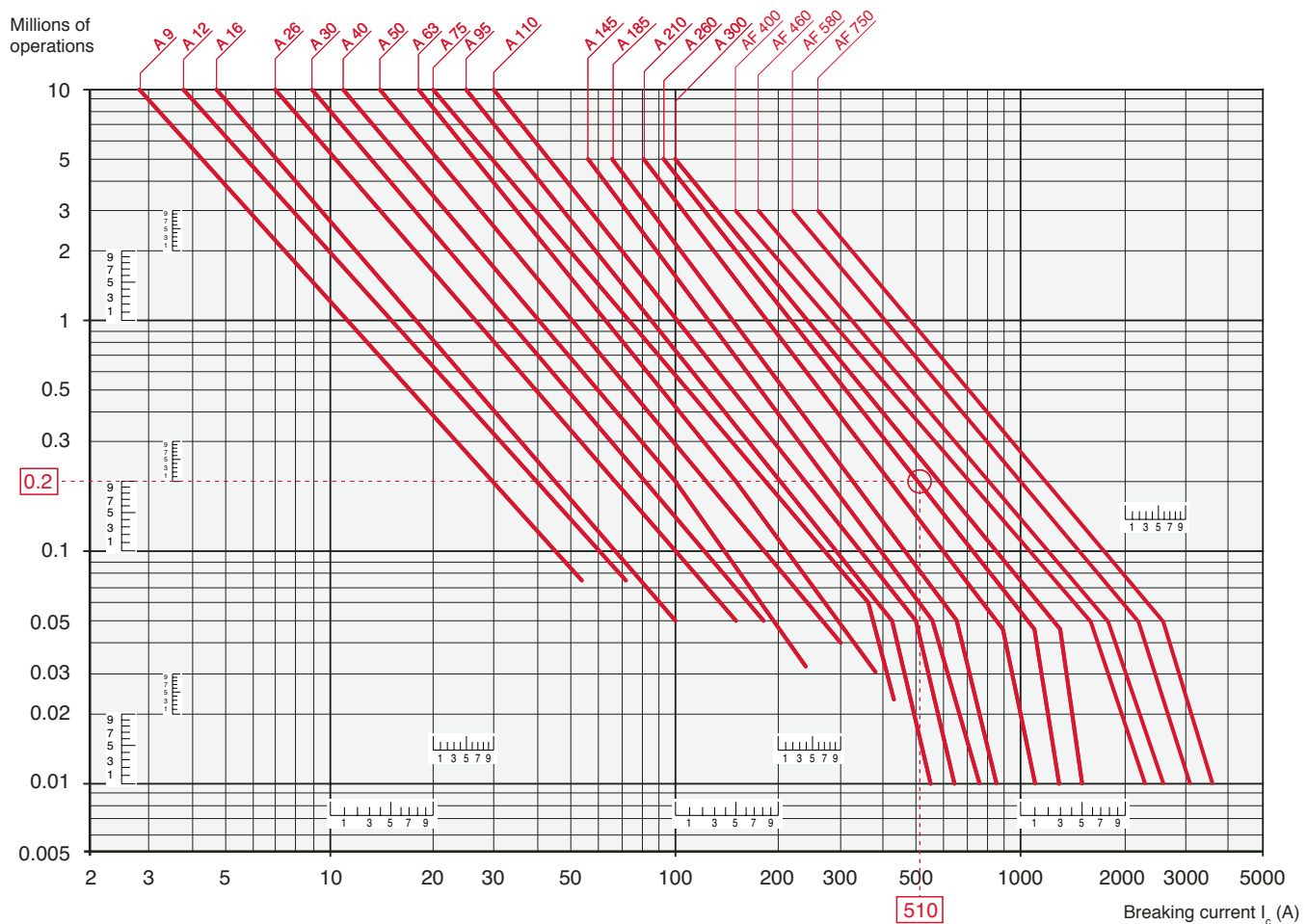
A9 – AF750

Electrical durability

Electrical Durability for AC-2 or AC-4 Utilization Category - $U_o \leq 440$ V. Ambient Temperature ≤ 55 °C

Maximum number of AC-2 or AC-4 operations: 300 per hour for A 9 ... A 40 contactors,
150 per hour for A 50 ... A 300 contactors.

Switching cage motors: starting, reverse operation and step-by-step operation. The breaking current I_c is equal to $2.5 \times I_o$ for AC-2 and $6 \times I_o$ for AC-4, keeping in mind that I_o is the motor rated operational current (I_o = motor full-load current).



Example:

Motor power 45 kW for AC-4 - $U_o = 400$ V utilization – Electrical durability required = 0.2 million operations.

45 kW, 400 V corresponds to $I_o = 85$ A.

For AC-4: $I_c = 6 \times I_o = 510$ A - Select the A 260 contactor at intersection "O" (510 A / 0.2 million operations) on the curves (AC-4 - $U_o \leq 440$ V).