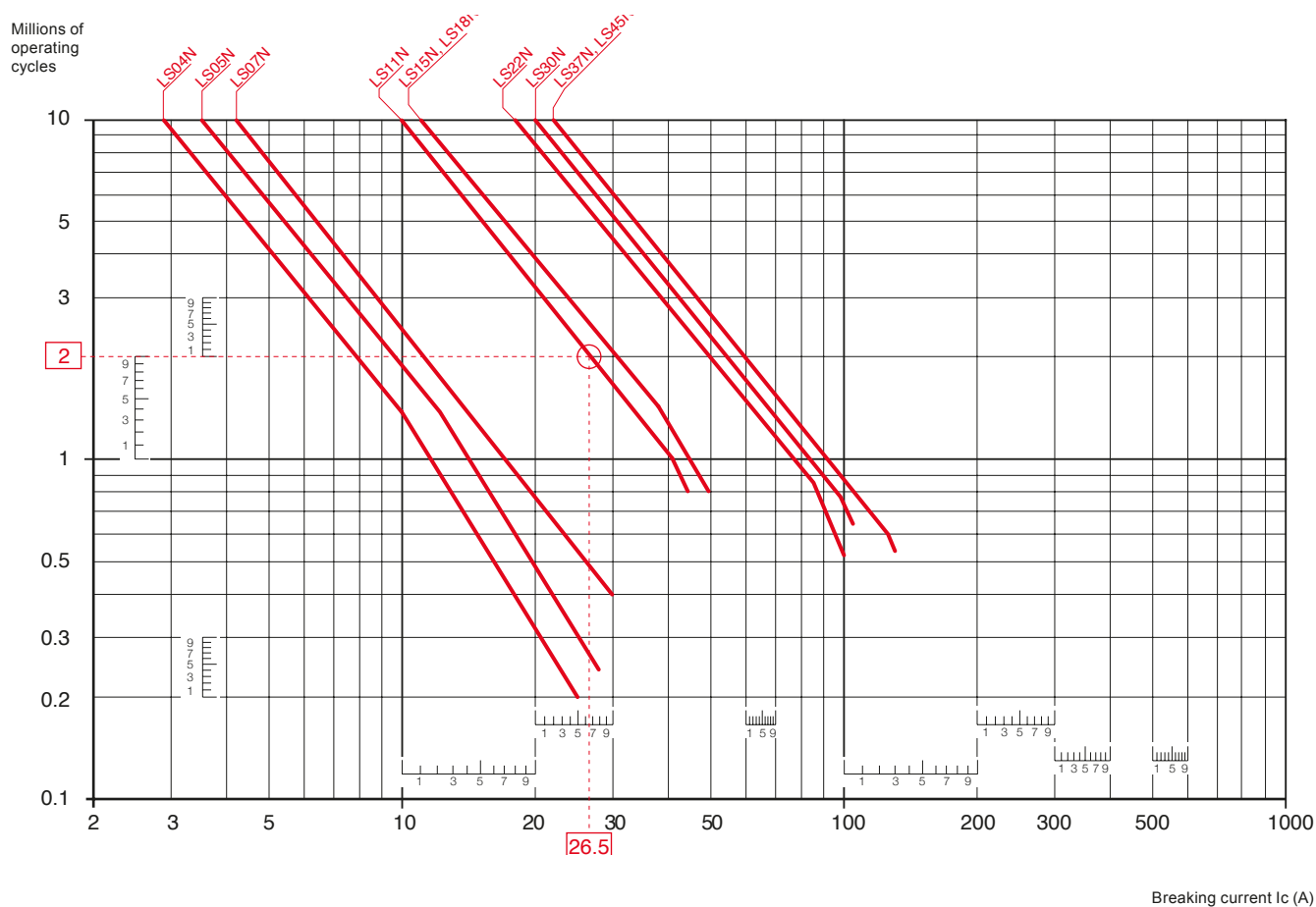


3-pole contactors

Electrical durability for AC-1 utilization category - $U_e \leq 690$ V

Switching non-inductive or slightly inductive loads. The breaking current I_c for AC-1 is equal to the rated operational current of the load.

Ambient temperature and maximum electrical switching frequency: see "Technical data".



Example:

I_c / AC-1 = 26.5 A – Electrical durability required = 2 millions operating cycles.

Using the AC-1 curves above select the LS11N contactor at intersection "O" (26.5 A / 2 millions operating cycles).

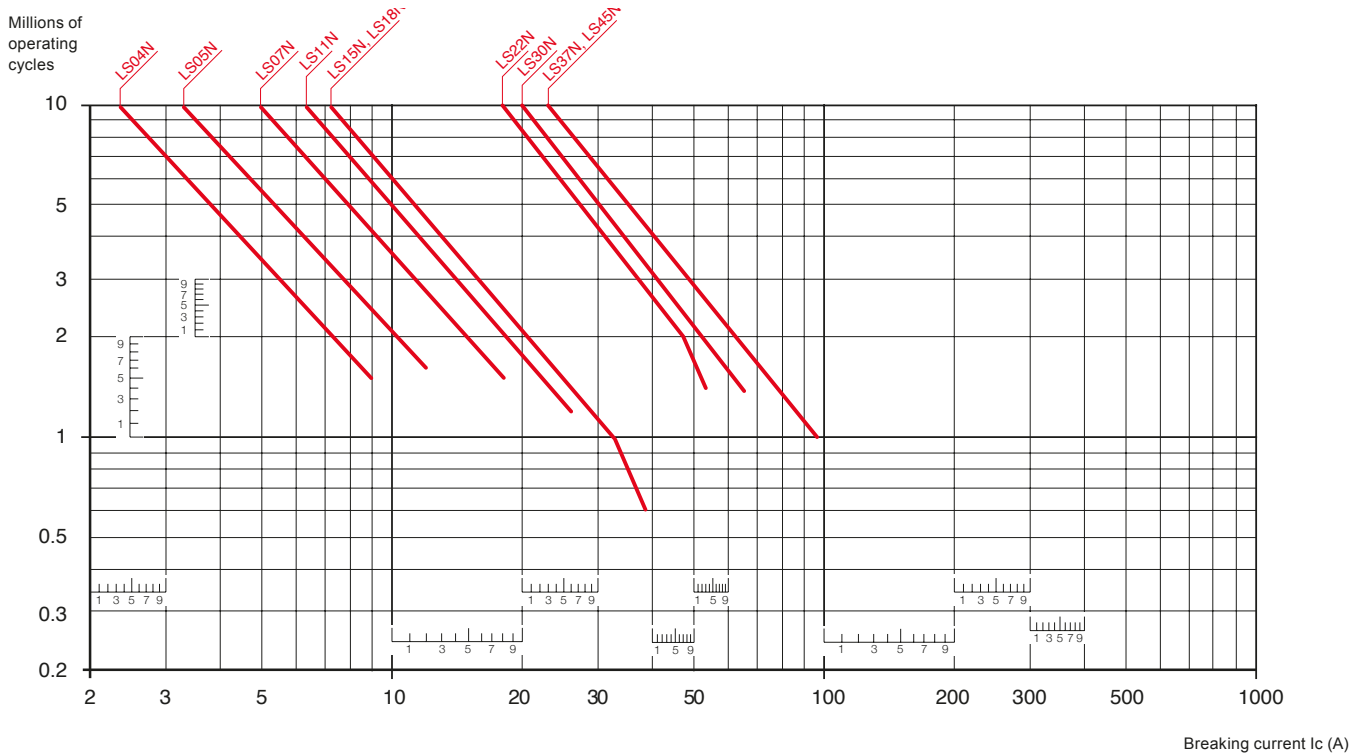
3-pole contactors

Electrical durability for AC-3 utilization category - $U_e \leq 440 \text{ V}$

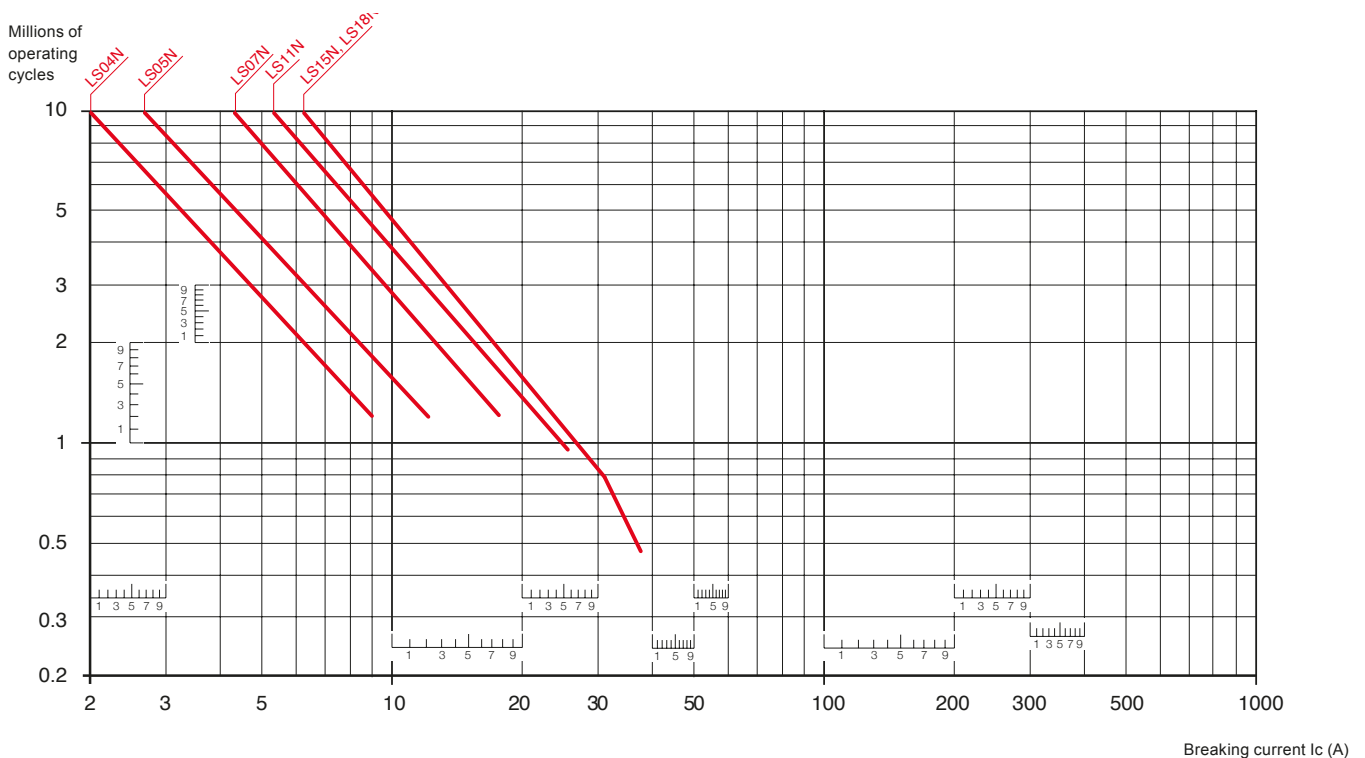
Switching cage motors: starting and switching off running motors. The breaking current I_c for AC-3 is equal to the rated operational current I_e (I_e = motor full load current).

Ambient temperature and maximum electrical switching frequency: see "Technical data".

LS04N ...LS75N AC / DC operated (coil voltage codes ED, EN, EU)



LS04N ...LS18N AC operated (coil voltage codes AD, AJ, AN)



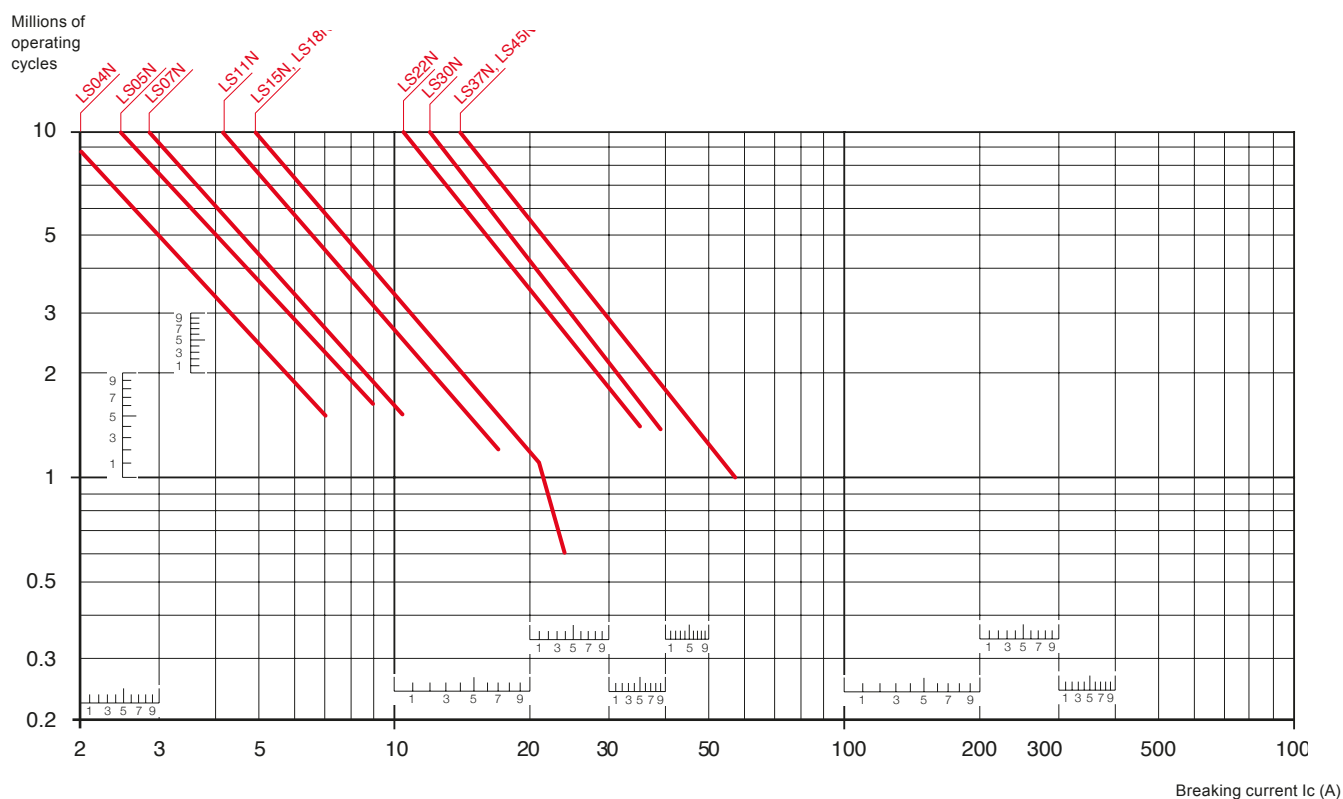
3-pole contactors

Electrical durability for AC-3 utilization category - $440\text{ V} < U_e \leq 690\text{ V}$

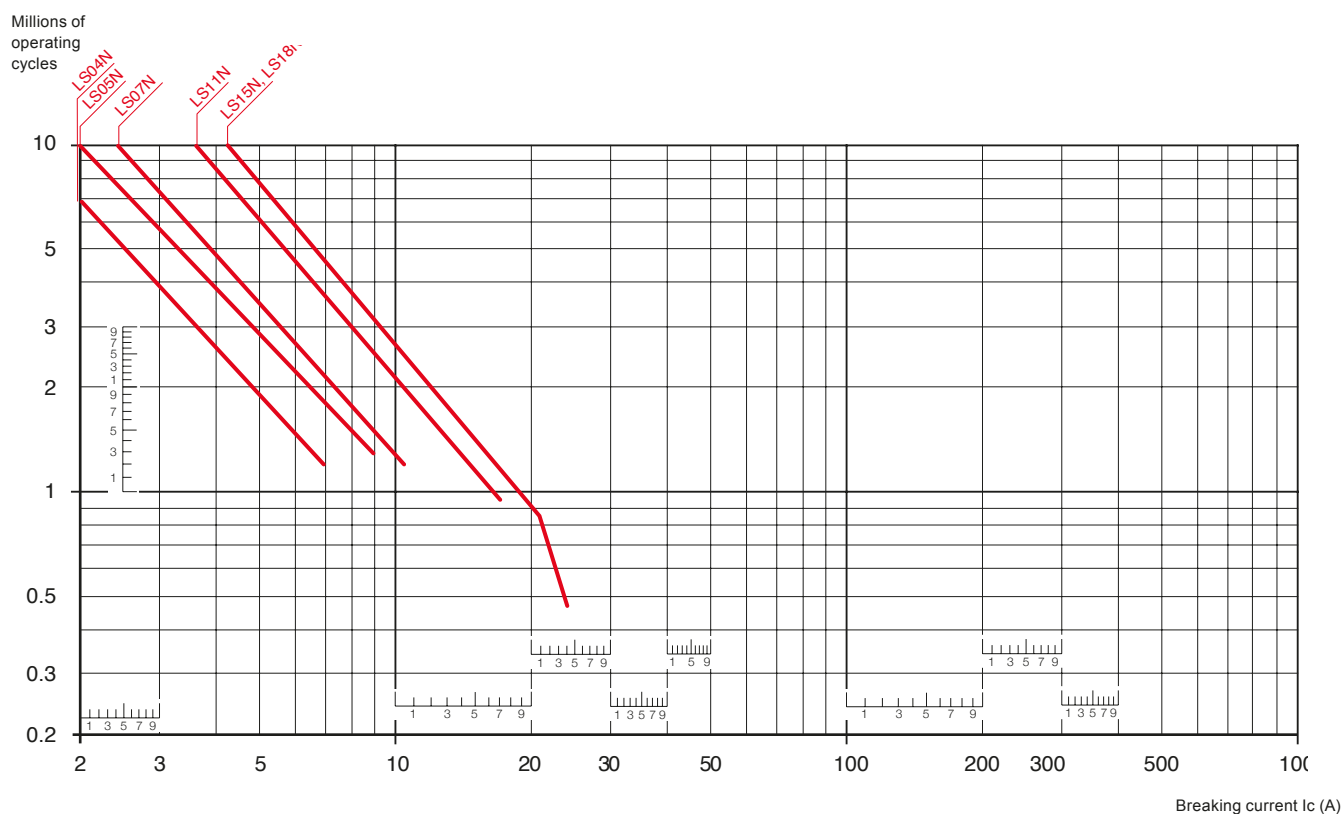
Switching cage motors: starting and switching off running motors. The breaking current I_c for AC-3 is equal to the rated operational current I_e (I_e = motor full load current).

Ambient temperature and maximum electrical switching frequency: see "Technical data".

LS04N ...LS75N AC / DC operated (coil voltage codes ED, EN, EU)



LS04N ...LS18N AC operated (coil voltage codes AD, AJ, AN)



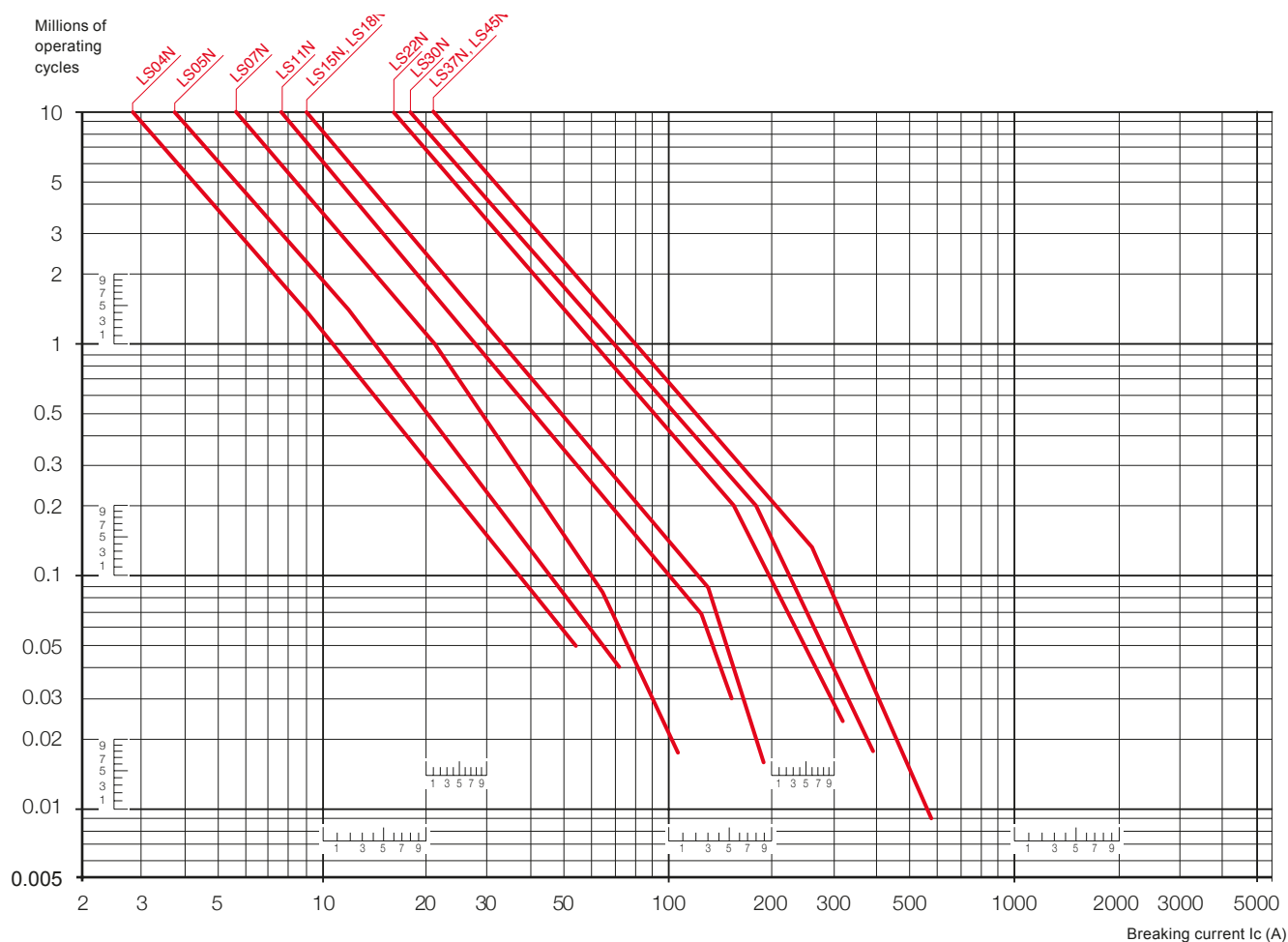
3-pole contactors

Electrical durability for AC-2 or AC-4 utilization category - $U_e \leq 440$ V

Ambient temperature ≤ 60 °C for LS04N ... LS45N

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

Maximum electrical switching frequency: see "Technical data".



3-pole contactors

Electrical durability for AC-2 or AC-4 utilization category - $440\text{ V} < U_e \leq 690\text{ V}$

Ambient temperature $\leq 60\text{ }^{\circ}\text{C}$ for LS04N ... LS45N

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

