

TeSys contactors

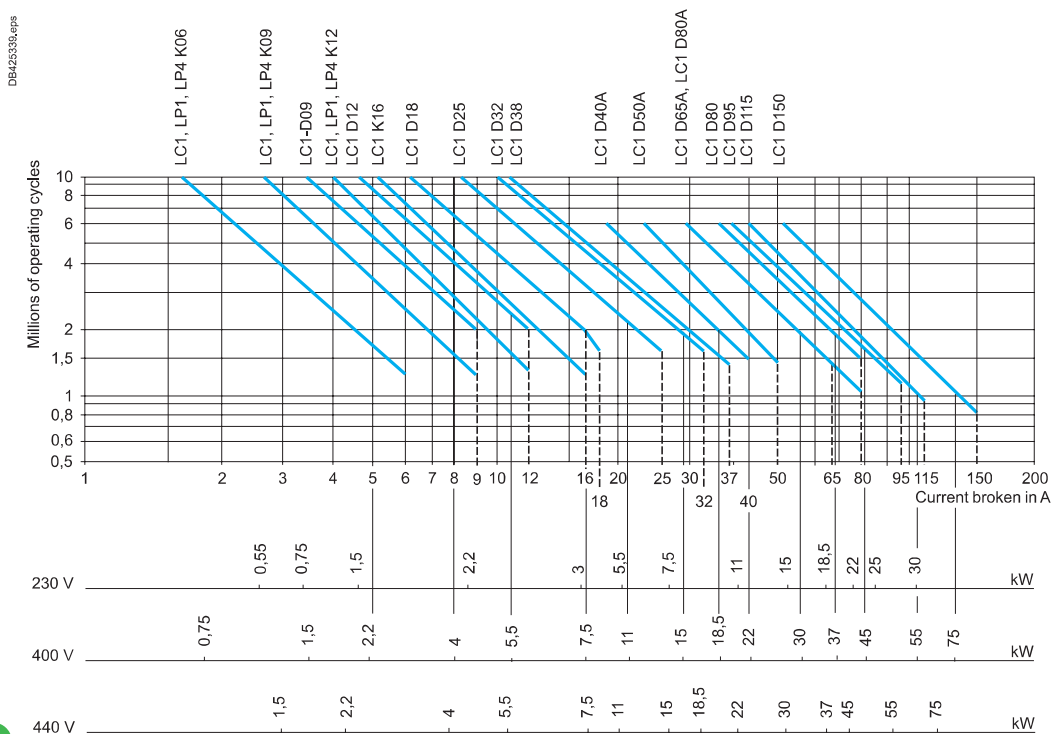
For utilisation category AC-3

Selection - Coordination and standards

Selection according to required electrical durability, in category AC-3 ($U_e \leq 440$ V)

Control of 3-phase asynchronous squirrel cage motors with breaking whilst running.

The current broken (I_c) in category AC-3 is equal to the rated operational current (I_e) of the motor.



Operational power in kW-50 Hz.

Example:

Asynchronous motor with $P = 5.5$ kW - $U_e = 400$ V - $I_e = 11$ A - $I_c = I_e = 11$ A

or asynchronous motor with $P = 5.5$ kW - $U_e = 415$ V - $I_e = 11$ A - $I_c = I_e = 11$ A

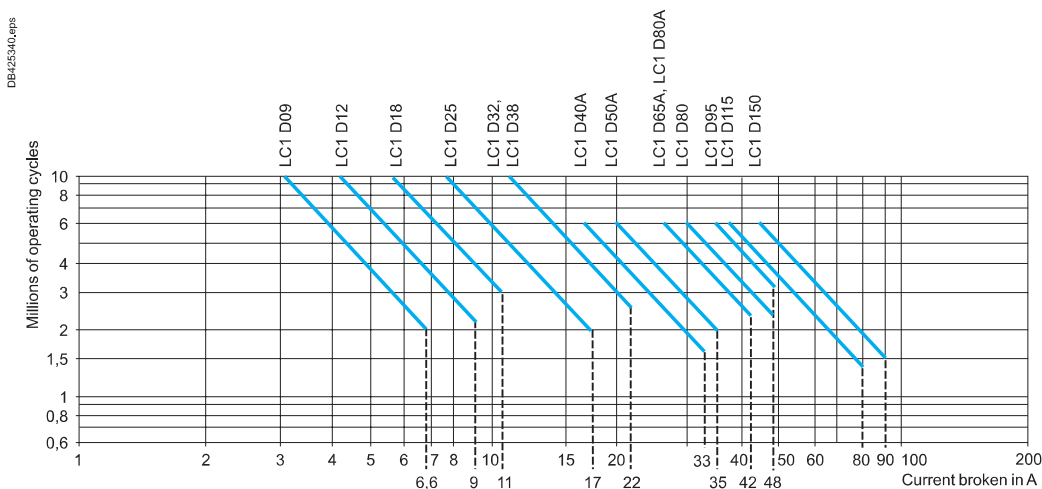
3 million operating cycles required.

The above selection curves show the contactor rating needed: LC1D18.

Selection according to required electrical durability, in category AC-3 ($U_e = 660/690$ V) ⁽¹⁾

Control of 3-phase asynchronous squirrel cage motors with breaking whilst running.

The current broken (I_c) in category AC-3 is equal to the rated operational current (I_e) of the motor.



⁽¹⁾ For $U_e = 1000$ V, use the 660/690 V curves, but do not exceed the operational current at the operational power indicated for 1000 V.

TeSys contactors

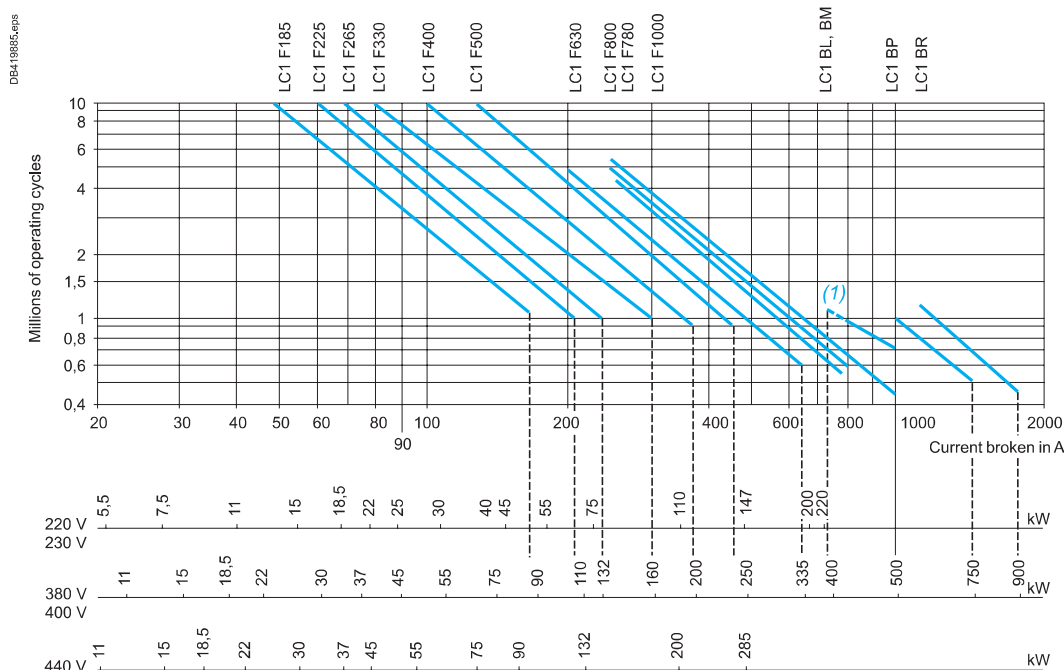
For utilisation category AC-3

Selection - Coordination and standards

Selection according to required electrical durability, in category AC-3 ($U_e \leq 440$ V)

Control of 3-phase asynchronous squirrel cage motors with breaking whilst running.

The current broken (I_c) in category AC-3 is equal to the rated operational current (I_e) of the motor.



Operational power in kW-50 Hz.

Example:

Asynchronous motor with $P = 132$ kW - $U_e = 380$ V - $I_e = 245$ A - $I_c = I_e = 245$ A
or asynchronous motor with $P = 132$ kW - $U_e = 415$ V - $I_e = 240$ A - $I_c = I_e = 240$ A
1.5 million operating cycles required.

The above selection curves show the contactor rating needed: LC1F330.

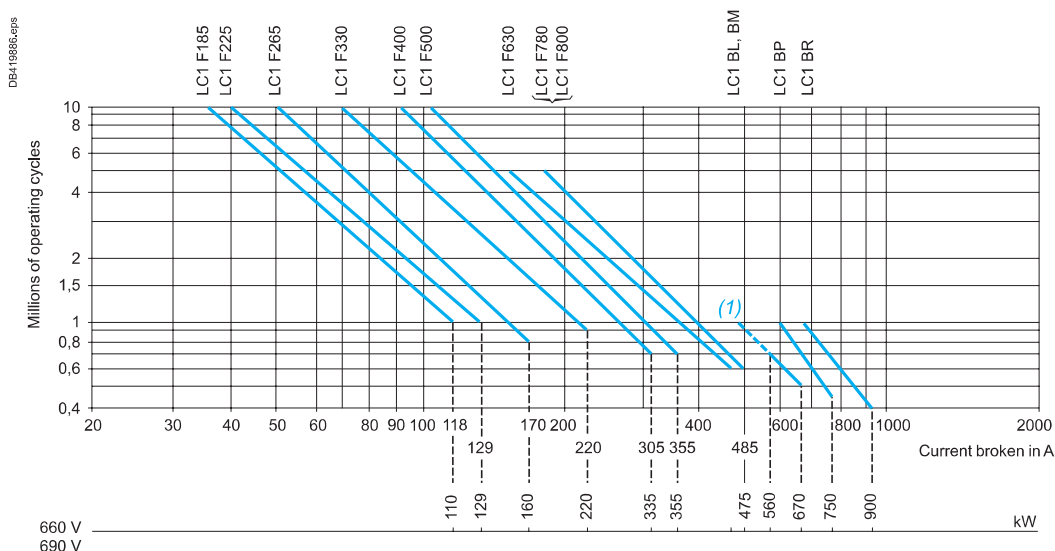
(1) The dotted lines are only applicable to LC1BL contactors.

Coordination
and
standards

Selection according to required electrical durability, in category AC-3 ($U_e = 660/690$ V)

Control of 3-phase asynchronous squirrel cage motors with breaking whilst running.

The current broken (I_c) in category AC-3 is equal to the rated operational current (I_e) of the motor.



Example:

Asynchronous motor with $P = 132$ kW - $U_e = 660$ V - $I_e = 140$ A - $I_c = I_e = 140$ A
1.5 million operating cycles required.

The above selection curves show the contactor rating needed: LC1F330.

(1) The dotted lines are only applicable to LC1BL contactors.