

■ Datasheet: Contactor 3-pole, CUBICO Grand, 90kW, 170A, 1NO+1NC, 230VAC



■ SCHRACK-INFO

- Contactor with 230VAC drive
- With integrated auxiliary contacts
- Optional auxiliary contact blocks available

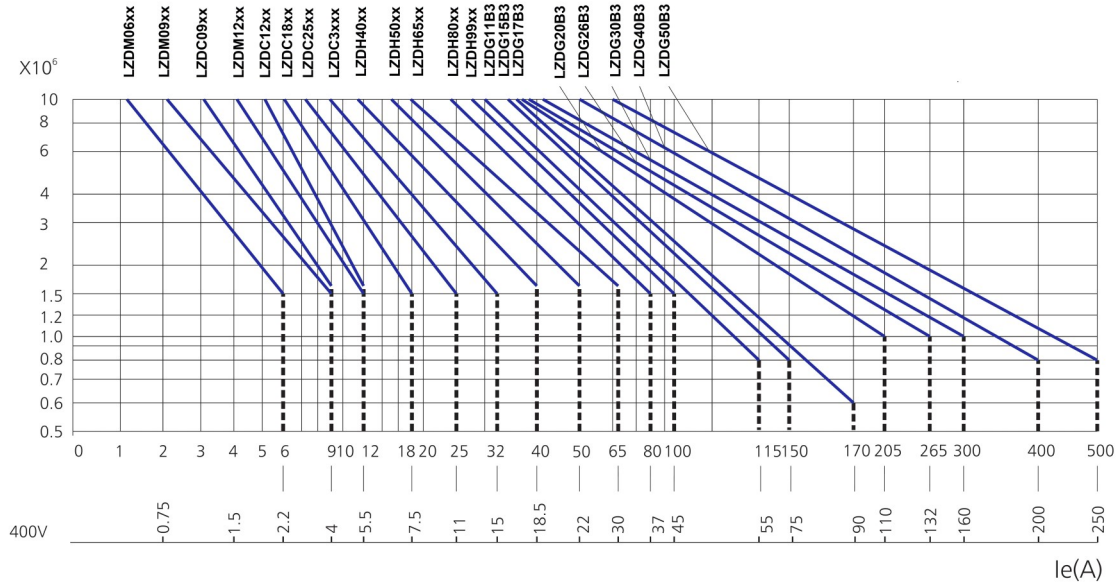
■ Technical datas

Standard	EN 60947-4-1, IEC 60947-4-1	
Rated insulation voltage	690V AC	
Rated frequency	50/60Hz	
Rated impulse withstand voltage	8kV	
Overvoltage category	III	
Rated current AC1	275A	
Rated current AC3	230V	170A
	400V	170A
	415V	170A
	690V	118A
Rated current AC4	230V	170A
	400V	150A
	415V	150A
	690V	107A

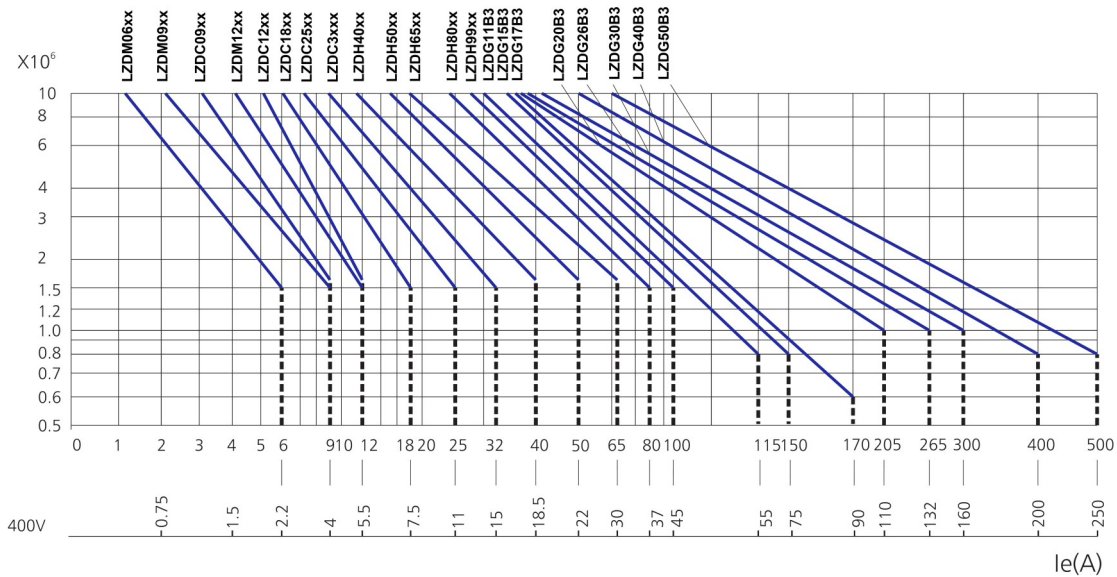
Rated making capacity		10 x I _e (AC3) 12 x I _e (AC4)
Rated breaking capacity		8 x I _e (AC3) 10 x I _e (AC4)
Short-time withstand current 10s		1360A
Rated power AC3	230V	55kW
	400V	90kW
	415V	100kW
	690V	110kW
Operating frequency	AC3	1.200 operations/h
	AC4	120 operations/h
Electrical lifetime		1.200.000 operations
Mechanical lifetime		10.000.000 operations
Configuration of main contacts		
	3-pole	3NO
Configuration of auxiliary contacts		1NO and 1NC
Protection degree		IP20
Ambient air temperature		- 5C up to + 40°C
Storage temperature		- 25C up to + 55°C
Correction coefficient	40°C	1
	50°C	0,875
	60°C	0,75 only for short time < 24h
	70°C	0,625 only for short time < 24h
Altitude		2000m
Atmosphere conditions		50% humidity at +40°C
Installation position		plane +/- 5°
Coil voltage		230VAC
Coil acting range	attraction	85% - 110% U _s
	release	AC: 20%-70% U _s
Coil average power	start	700VA
	holding	5VA
Heat wastage		4W
Main contact action time	close	15-30ms
	disconnection	40-50ms

Terminal capacity main cable	
Solid	10 - 95 mm ² 2 x 10 - 50 mm ²
Flexible with ferrule	10 - 95 mm ² 2 x 10 - 50 mm ²
Stranded	10 - 95 mm ² 2 x 10 - 50 mm ²
Terminal screw	M10
Standard screwdriver	PH 6 mm
Allen wrench	4 mm
Tightening torque	10 Nm
Terminal capacity control circuit cables	
Solid	1 - 4 mm ² 2 x 1 - 4 mm ²
Flexible with ferrule	1 - 4 mm ² 2 x 1 - 4 mm ²
Philips / Pozidriv screwdriver	PH2
Standard screwdriver	5 mm
Tightening torque	1,2 Nm
Terminal capacity auxiliary contacts	
Solid	1 - 4 mm ² 2 x 1 - 4 mm ²
Flexible with ferrule	1 - 4 mm ² 2 x 1 - 4 mm ²
Philips / Pozidriv screwdriver	PH2
Standard screwdriver	5 mm
Tightening torque	1,2 Nm

Electrical life AC3, $U_e = 400V$

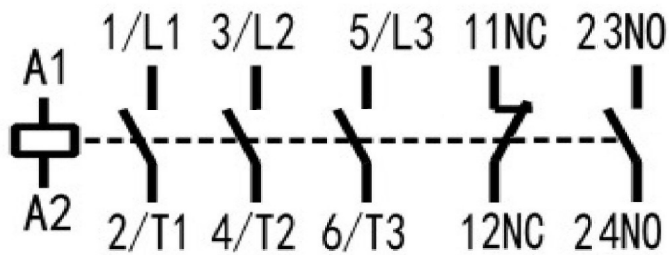


Electrical life AC2, AC4, $U_e = 400V$

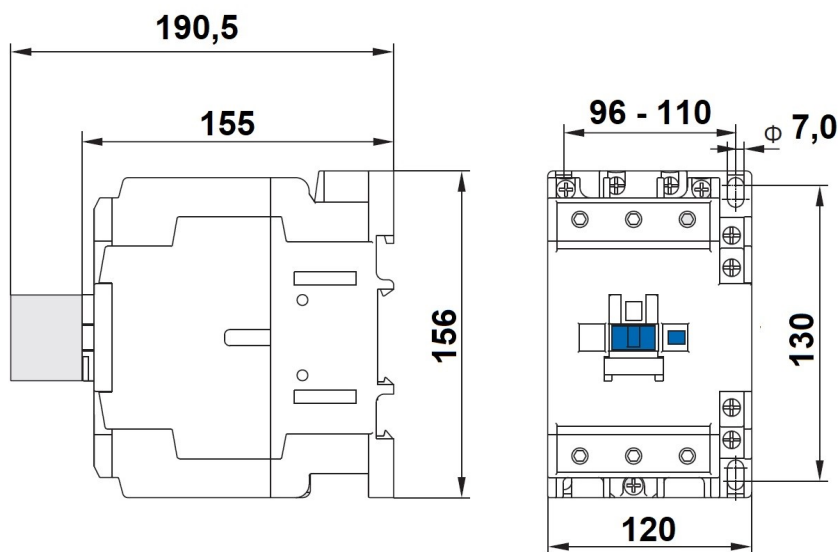


Wiring diagram

3-pole, 1NO + 1NC



Dimensions



Articles

Contactors 3-pole, CUBICO Grand

Description	order no.
Contacteur 3-pole, CUBICO Grand, 90kW, 170A, 1NO+1NC, 230VAC	LZDG17B3--