

■ Datasheet: Contactor 3-pole, CUBICO Grand, 160kW, 300A, 2NO+2NC, 230VAC



■ SCHRACK-INFO

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

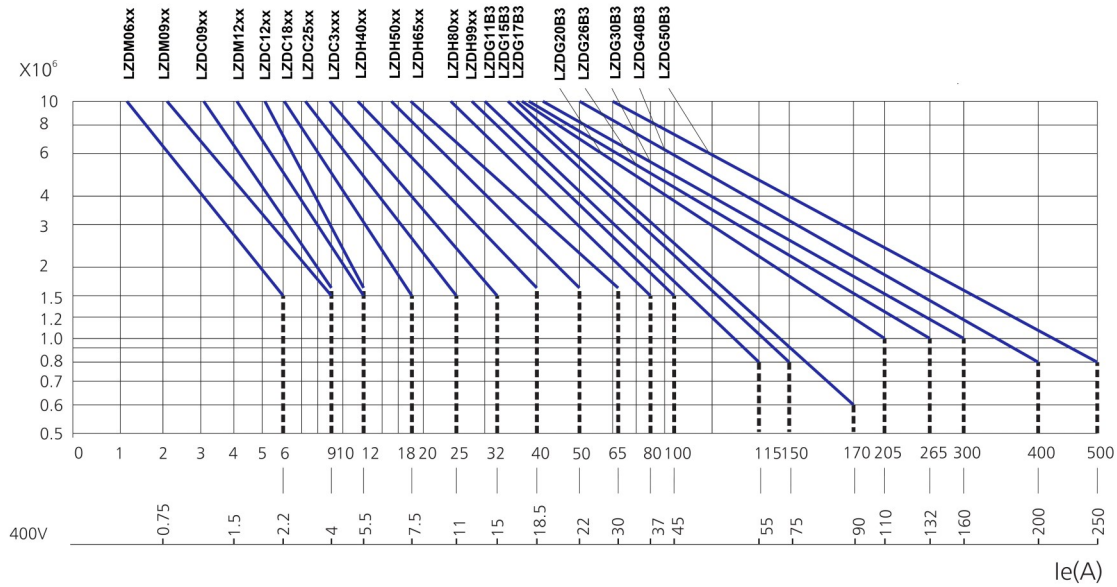
■ Technical datas

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	380A	
Rated current AC3	230V	300A
	400V	300A
	415V	300A
	690V	235A
Rated current AC4	230V	300A
	400V	300A
	415V	300A
	690V	235A

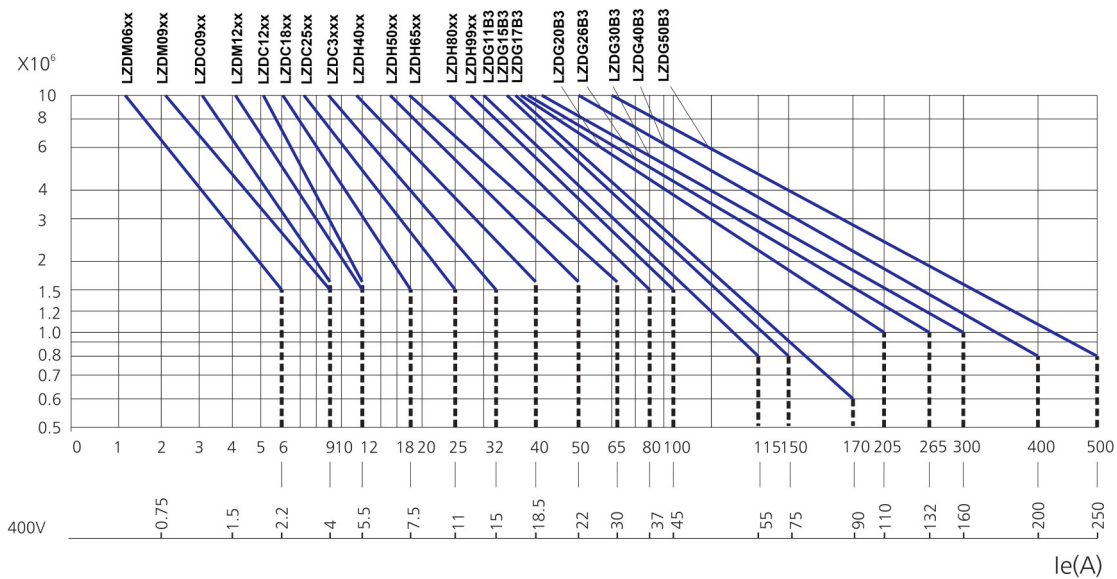
Rated making capacity		10 x I <sub>e</sub> (AC3) 12 x I <sub>e</sub> (AC4)
Rated breaking capacity		8 x I <sub>e</sub> (AC3) 10 x I <sub>e</sub> (AC4)
Short-time withstand current 10s		2400A
Rated power AC3	230V	90kW
	400V	160kW
	415V	160kW
	690V	200kW
Operating frequency	AC3	600 operations/h
	AC4	30 operations/h
Electrical lifetime		100 operations
Mechanical lifetime		6.000.000 operations
Configuration of main contacts		
	3-pole	3NO
Configuration of auxiliary contacts		2NO and 2NC
Protection degree		IP20
Ambient air temperature		- 5°C up to + 40°C
Storage temperature		- 25°C 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 <sub>s</sub>
	release	AC: 10%-75% U <sub>s</sub>
Coil average power	start	300-600VA
	holding	5-7VA
Heat wastage		3-6W
Main contact action time	close	30-95ms
	disconnection	40-80ms

Terminal capacity main cable	
Solid	50 - 240mm <sup>2</sup> 2 x 50 - 240mm <sup>2</sup>
Flexible with ferrule	50 - 240mm <sup>2</sup> 2 x 50 - 240mm <sup>2</sup>
Stranded	50 - 240mm <sup>2</sup> 2 x 50 - 240mm <sup>2</sup>
Terminal screw	M10
Standard screwdriver	PH 6mm
Allen wrench	4mm
Tightening torque	14Nm
Terminal capacity control circuit cables	
Solid	1 -4mm <sup>2</sup> 2 x 1 - 2.5mm <sup>2</sup>
Flexible with ferrule	1 -4mm <sup>2</sup> 2 x 1 - 4mm <sup>2</sup>
Terminal screw	M3.5
Standard screwdriver	5 mm
Tightening torque	1,2Nm
Terminal capacity auxiliary contacts	
Solid	1 -4mm <sup>2</sup> 2 x 1 - 4mm <sup>2</sup>
Flexible with ferrule	1 -4 mm <sup>2</sup> 2 x 1 - 4mm <sup>2</sup>
Philips / Pozidriv screwdriver	PH2
Standard screwdriver	5mm
Tightening torque	1.2Nm

Electrical life AC3,  $U_e = 400V$

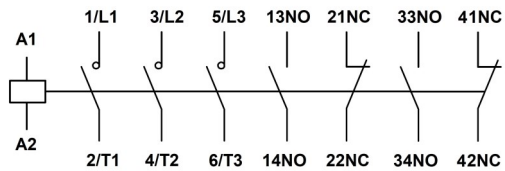


Electrical life AC2, AC4,  $U_e = 400V$

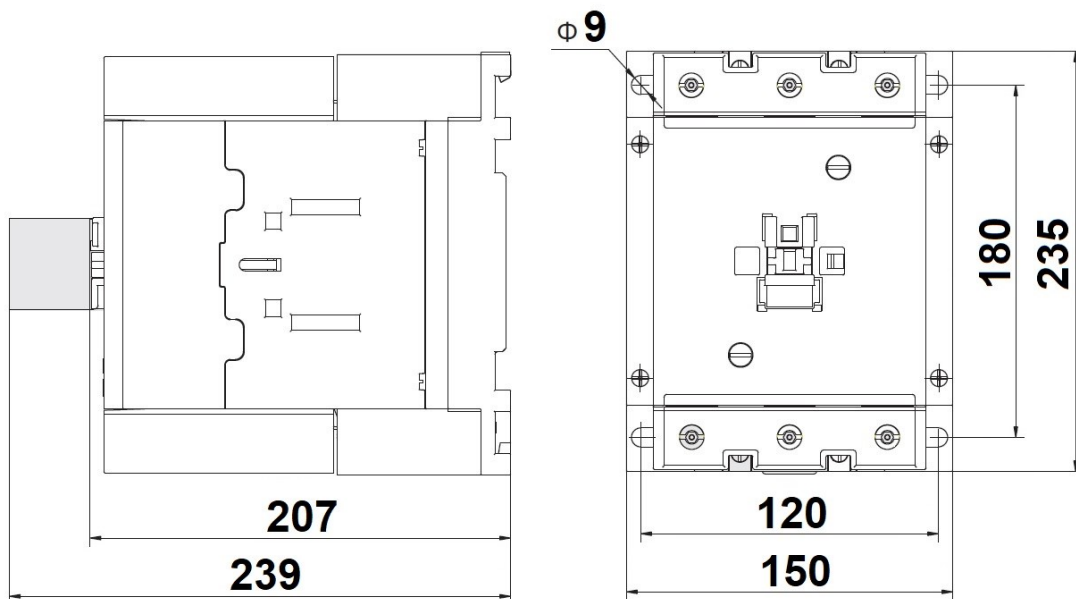


**Wiring diagram**

3-pole, 1NO + 1NC



**Dimensions**



**Articles**

**Contactors 3-pole, CUBICO Grand**

Description	order no.
Contacteur 3-pole, CUBICO Grand, 160kW, 170A, 2NO+2NC, 230VAC	LZDG30B3--