

■ Datasheet: Contactor 3-pole, CUBICO Grand, 110kW, 205A, 2NO+2NC, 230VAC



■ SCHRACK-INFO

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

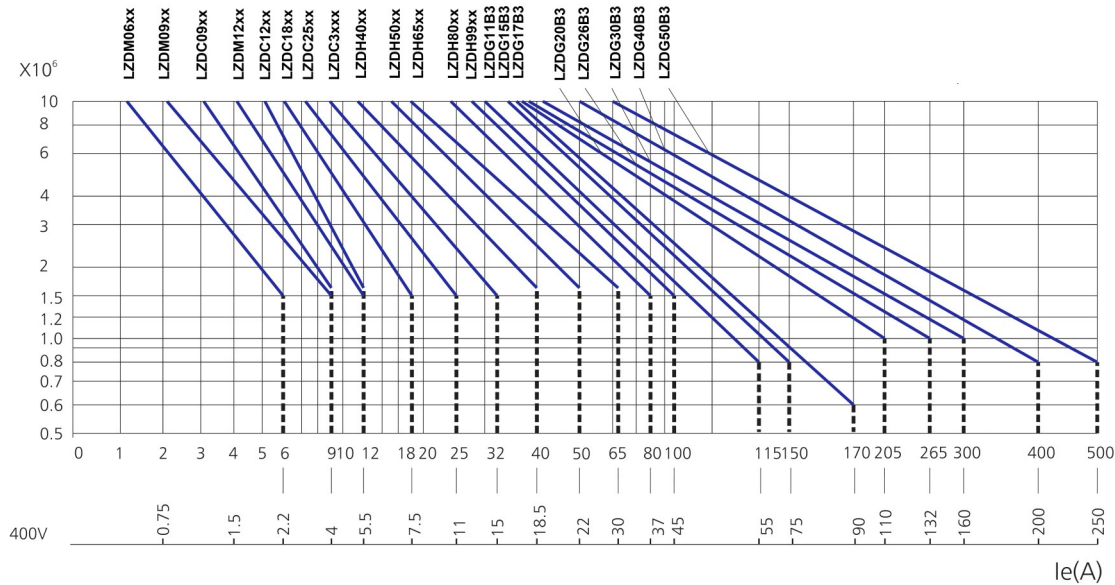
■ Technical datas

| | | |
|---------------------------------|-----------------------------|------|
| 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 | 300A | |
| Rated current AC3 | 230V | 205A |
| | 400V | 205A |
| | 415V | 205A |
| | 690V | 137A |
| Rated current AC4 | 230V | 205A |
| | 400V | 205A |
| | 415V | 205A |
| | 690V | 137A |

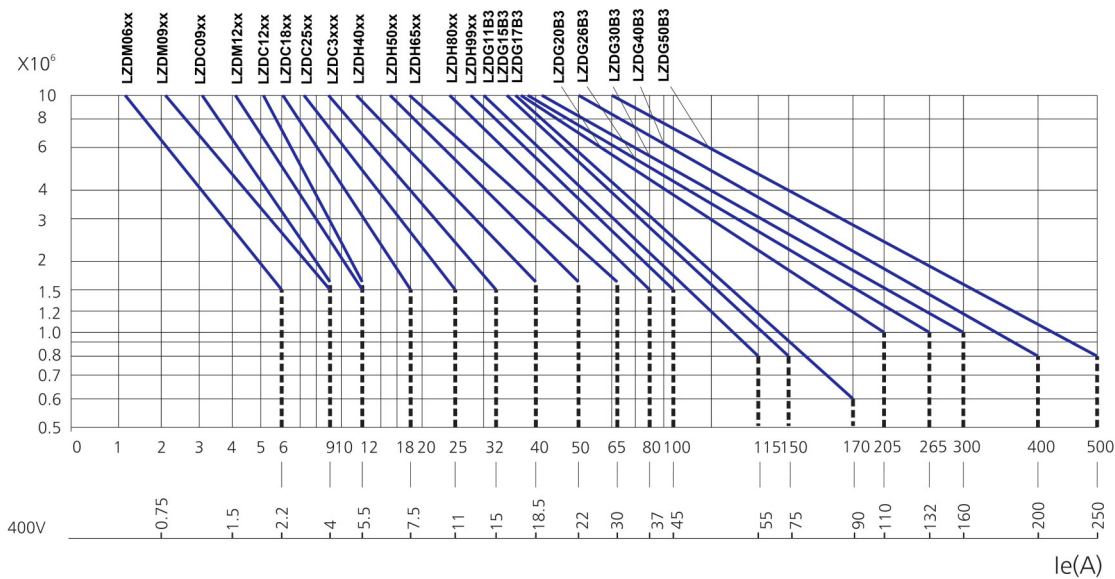
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|-------------------------------------|---------------|--|
| Rated making capacity | | 10 x I _e (AC3) 12 x I _e (AC4) |
| Rated breaking capacity | | 8 x I _e (AC3) 10 x I _e (AC4) |
| Short-time withstand current 10s | | 1640A |
| Rated power AC3 | 230V | 63kW |
| | 400V | 110kW |
| | 415V | 110kW |
| | 690V | 132kW |
| 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 _s |
| | release | AC: 20%-70% U _s |
| 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 | 10 - 95mm ² 2 x 10 - 50mm ² |
| Flexible with ferrule | 10 - 95mm ² 2 x 10 - 50mm ² |
| Stranded | 10 - 95 mm ² 2 x 10 - 50mm ² |
| Terminal screw | M10 |
| Standard screwdriver | PH 6 mm |
| Allen wrench | 4mm |
| Tightening torque | 14Nm |
| Terminal capacity control circuit cables | |
| Solid | 1 -4mm ² 2 x 1 - 2.5mm ² |
| Flexible with ferrule | 1 -4mm ² 2 x 1 - 4mm ² |
| Terminal screw | M3,5 |
| Standard screwdriver | 5mm |
| Tightening torque | 1,2Nm |
| Terminal capacity auxiliary contacts | |
| Solid | 1 -4mm ² 2 x 1 - 4mm ² |
| Flexible with ferrule | 1 -4mm ² 2 x 1 - 4mm ² |
| Philips / Pozidriv screwdriver | PH2 |
| Standard screwdriver | 5mm |
| Tightening torque | 1.2Nm |

Electrical life AC3, $U_e = 400V$

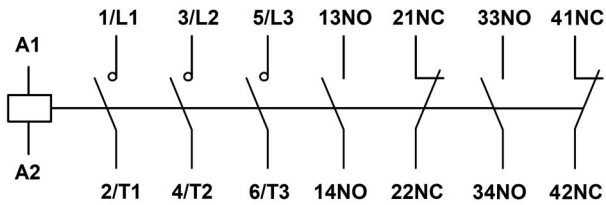


Electrical life AC2, AC4, $U_e = 400V$

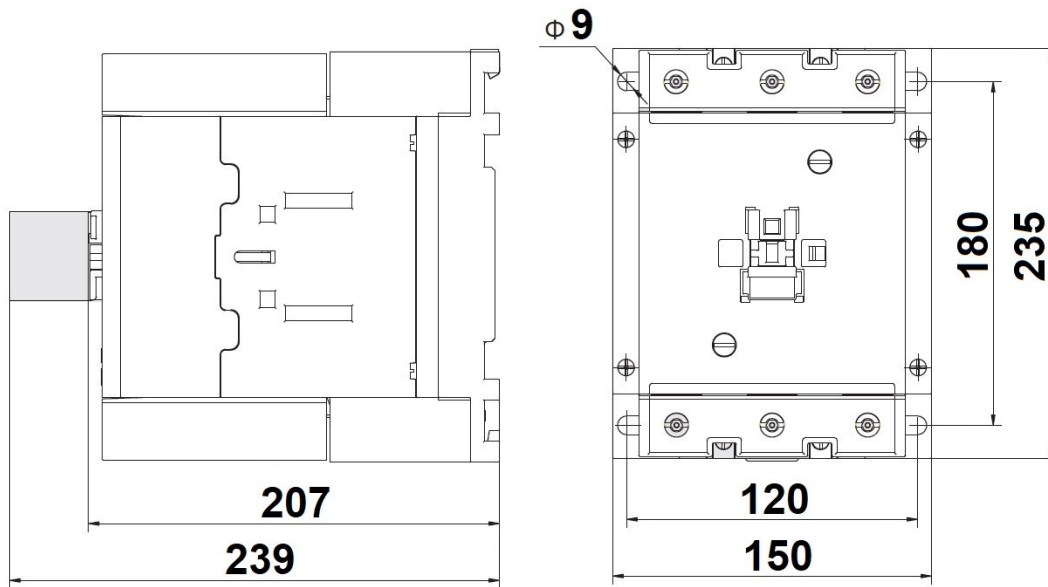


Wiring diagram

3-pole, 1NO + 1NC



Dimensions



Articles

Contactors 3-pole, CUBICO Grand

| Description | order no. |
|---|------------|
| Contacteur 3-pole, CUBICO Grand, 110kW, 205A, 2NO+2NC, 230VAC | LZDG20B3-- |