



Contactor, 18,5kW/400V, AC-operated



Powering Business Worldwide™

Part no. DILM40(230V50HZ,240V60HZ)
Article no. 277766

Catalog No. XTCE040D00F

Delivery programme

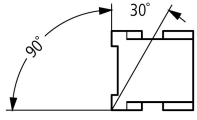
| | | | |
|---|----------------|----|--|
| Product range | | | Contactors |
| Application | | | Contactors for Motors |
| Subrange | | | Contactors up to 170 A, 3 pole |
| Utilization category | | | AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Squirrel-cage motors: starting, switching off during running AC-4: Squirrel-cage motors: starting, plugging, reversing, inching |
| Connection technique | | | Screw terminals |
| Pole | | | 3 pole |
| Rated operational current | | | |
| AC-3 | | | |
| 380 V 400 V | I_e | A | 40 |
| AC-1 | | | |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz | | | |
| Open | | | |
| at 40 °C | $I_{th} = I_e$ | A | 60 |
| enclosed | I_{th} | A | 45 |
| Conventional free air thermal current, 1 pole | | | |
| open | I_{th} | A | 125 |
| enclosed | I_{th} | A | 112 |
| Max. rating for three-phase motors, 50 - 60 Hz | | | |
| AC-3 | | | |
| 220 V 230 V | P | kW | 12.5 |
| 380 V 400 V | P | kW | 18.5 |
| 660 V 690 V | P | kW | 23 |
| AC-4 | | | |
| 220 V 230 V | P | kW | 5 |
| 380 V 400 V | P | kW | 9 |
| 660 V 690 V | P | kW | 12 |
| Contact sequence | | | |
| Instructions | | | Contacts to EN 50012. |
| Can be combined with auxiliary contact | | | DILM150-XH(V).. DILM1000-XH(V).. |
| Voltage AC/DC | | | AC operation |

Approvals

| | |
|--------------------------------------|---|
| Product Standards | IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking |
| UL File No. | E29096 |
| UL Category Control No. | NLDX |
| CSA File No. | 012528 |
| CSA Class No. | 2411-03, 3211-04 |
| North America Certification | UL listed, CSA certified |
| Specially designed for North America | No |

General

| | | | |
|----------------------|--|--|---------------------------------|
| Standards | | | IEC/EN 60947, VDE 0660, UL, CSA |
| Lifespan, mechanical | | | |

| | | | |
|---|-------------------------------------|----------------------|---|
| AC operated | Operations | x 10 ⁶ | 10 |
| DC operated | Operations | x 10 ⁶ | 10 |
| Operating frequency, mechanical | | | |
| AC operated | Operations/h | | 5000 |
| DC operated | Operations/h | | 5000 |
| Climatic proofing | | | |
| Ambient temperature | | °C | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Open | | °C | - 25 - 60 |
| Enclosed | | °C | - 25 - 40 |
| Storage | | °C | - 40 - 80 |
| Mounting position | | | |
| | | |  |
| Mechanical shock resistance (IEC/EN 60068-2-27) | | | |
| Half-sinusoidal shock, 10 ms | | | |
| Main contacts | | | |
| N/O contact | | g | 10 |
| Auxiliary contacts | | | |
| N/O contact | | g | 7 |
| N/C contact | | g | 5 |
| Mechanical shock resistance (IEC/EN 60068-2-27) | | | |
| Half-sinusoidal shock, 10 ms | | | |
| Main contacts | | | |
| N/O contact | | g | 10 |
| Auxiliary contacts | | | |
| N/O contact | | g | 7 |
| N/C contact | | g | 5 |
| Protection type | | | |
| | | | IP00 |
| Protection against direct contact when actuated from front (EN 50274) | | | |
| | | | Finger- and back-of-hand proof |
| Weight | | | |
| AC operated | | kg | 0.9 |
| DC operated | | kg | 1.1 |
| Terminal capacity main cable | | | |
| Solid | | mm ² | 1 x (0.75 - 16) 2 x (0.75 - 16) |
| Flexible with ferrule | | mm ² | 1 x (0.75 - 35) 2 x (0.75 - 25) |
| Stranded | | mm ² | 1 x (16 - 50) 2 x (16 - 35) |
| Solid or stranded | | AWG | 12 - 2 |
| Flat conductor | Lamellenzahl x Breite x Dicke | mm | 2 x (6 x 9 x 0.8) |
| Terminal screw | | | |
| | | | M6 |
| Tightening torque | | | |
| | | | Nm 3.3 |
| Terminal capacity control circuit cables | | | |
| Solid | | mm ² | 1 x (0.75 - 4) 2 x (0.75 - 4) |
| Flexible with ferrule | | mm ² | 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) |
| Solid or stranded | | AWG | 18 - 14 |
| Terminal screw | | | |
| | | | M3.5 |
| Tightening torque | | | |
| | | | Nm 1.2 |
| Tool | | | |