



Contactor,4kW/400V,DC operated



Powering Business Worldwide™

Part no. DILEM-01-G(24VDC)

Article no. 010343

Delivery programme

| | | | |
|---|----------------|----|--|
| Product range | | | Contactors |
| Application | | | Mini Contactors for Motors and Resistive Loads |
| Subrange | | | DILEM contactors |
| 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 |
| Description | | | With auxiliary contact |
| Pole | | | 3 pole |
| Rated operational current | | | |
| AC-3 | | | |
| 380 V 400 V | I_e | A | 9 |
| AC-1 | | | |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz | | | |
| Open | | | |
| at 40 °C | $I_{th} = I_e$ | A | 22 |
| enclosed | I_{th} | A | 16 |
| Conventional free air thermal current, 1 pole | | | |
| open | I_{th} | A | 50 |
| enclosed | I_{th} | A | 40 |
| Max. rating for three-phase motors, 50 - 60 Hz | | | |
| AC-3 | | | |
| 220 V 230 V | P | kW | 2.2 |
| 380 V 400 V | P | kW | 4 |
| 660 V 690 V | P | kW | 4 |
| AC-4 | | | |
| 220 V 230 V | P | kW | 1.5 |
| 380 V 400 V | P | kW | 3 |
| 660 V 690 V | P | kW | 3 |
| Contacts | | | |
| N/C = Normally closed | | | 1 N/C |
| Contact sequence | | | |
| For use with | | | ...DILE |
| Actuating voltage | | | 24 V DC |
| Voltage AC/DC | | | DC operation |

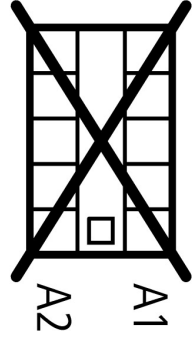
Approvals

Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Specially designed for NA

IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
E29096
NLDX
012528
3211-04
UL listed, CSA certified
No

General

| | | | |
|-----------------------------|--|--------|---------------------------------|
| Standards | | | IEC/EN 60947, VDE 0660, CSA, UL |
| Maximum operating frequency | | Ops./h | |

| | | | |
|---|------------------|-----------------|---|
| Mechanical | | Ops./h | 9000 |
| Climatic proofing | | | Damp heat, constant to IEC 60068-2-78 Damp heat, cyclic to IEC 60068-2-30 |
| Ambient temperature | | °C | |
| Open | | °C | - 25 - 50 |
| Enclosed | | °C | - 25 - 40 |
| Mounting position | | | As required except vertical with terminals A1/A2 at the bottom  |
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| Mechanical shock resistance (IEC/EN 60068-2-27) | | | |
| Half-sinusoidal shock, 10 ms | | | |
| Basic unit without auxiliary contact module | | | |
| Main contacts, make contacts | | g | 10 |
| Main contacts Make/break contacts | | g | 10 / 8 |
| Basic unit with auxiliary contact module | | | |
| Main contacts make contact | | g | |
| Make | | g | 10 |
| Auxiliary contacts Make/break contacts | | g | 20 / 20 |
| Protection type | | | IP20 |
| Protection against direct contact when actuated from front (EN 50274) | | | Finger and back-ofhand proof |
| Weight | | kg | 0.17 |
| Terminal capacity of auxiliary and main contacts | | | |
| Solid | | mm ² | 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) |
| Flexible with ferrule | | mm ² | 1 x (0.75 - 1.5) 2 x (0.75 - 1.5) |
| Solid or stranded | | AWG | 18 - 14 |
| Terminal screw | | | M3.5 |
| Pozidriv screwdriver | | Size | 2 |
| Standard screwdriver | | mm | 0.8 x 5.5 1 x 6 |
| Max. tightening torque | | Nm | 1.2 |
| Terminal capacity springloaded terminals main and control circuits | | | |
| Solid | | mm ² | 1 x (1 - 2.5) 2 x (1 - 2.5) |
| Flexible with ferrule | | mm ² | 1 x (1 - 2.5) 2 x (1 - 2.5) |
| Standard screwdriver | | mm | 0.6 x 3.5 |
| Main conducting paths | | | |
| Rated impulse withstand voltage | U _{imp} | V AC | 6000 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated insulation voltage | U _i | V AC | 690 |
| Rated operational voltage | U _e | V AC | 690 |
| Safe isolation to VDE 0106 Part 101 and Part 101/A1 | | | |
| between coil and contacts | | V AC | 300 |
| between the contacts | | V AC | 300 |
| Making capacity (cos φ to IEC/EN 60947) | | A | 110 |