

## INDUSTRIAL COMPONENT DATA

# DILM15-01(48VDC) 290109 Y7-290109 EATON ELECTRIC Power Contactor 3-pole + 1 NC 7.5 kW / 400 V / AC3 48 V DC

Brand: EATON - MOELLER | Manufacturer Part Number: DILM15-01(48VDC)



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | EATON - MOELLER               |
| MPN / Reference | DILM15-01(48VDC)              |
| Catalog number  | Y7-290109                     |
| Category        | Power contactor, AC switching |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-B5465C465E                 |
| Generated       | 2026-08-06                    |

## Product Overview

Power Contactor; 3-pole + 1 NC; 7.5 kW / 400 V / AC3; 48 V DC

DILM15-01(48VDC)

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 7.5 kW, 1 NC, 48 V DC, DC operation, Screw terminals  
Contactor, Application: Contactors for Motors, Contactors up to 170 A, 3 pole, Utilization category: AC-1: Non-inductive or slightly inductive loads, resistance furnaces, NAC-3: Normal AC induction motors: starting, switch off during running, AC-4: Normal AC induction motors: starting, plugging, reversing, inching, Connection technique: Screw terminals, Notes: Not suitable for motors with efficiency class IE3., Number of poles: 3 pole, Rated operational current AC-3 380 V 400 V: I<sub>e</sub> = 15.5 A, Rated operational current AC-1 Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C: I<sub>th</sub> = I<sub>e</sub> = 22 A, enclosed: I<sub>th</sub> = 18 A, Rated operational current AC-1 Conventional free air thermal current, 1 pole open: I<sub>th</sub> = 50 A, enclosed: I<sub>th</sub> = 45 A, Max. rating for three-phase motors, 50 - 60 Hz AC-3 220 V 230 V: P = 4 kW, 380 V 400 V: P = 7.5 kW, 660 V 690 V: P = 7 kW, Max. rating for three-phase motors, 50 - 60 Hz AC-4 220 V 230 V: P = 2 kW, 380 V 400 V: P = 3 kW, 660 V 690 V: P = 4.4 kW, Can be combined with auxiliary contact: DILA-XHI(V) .., Contacts N/C = Normally closed: 1 NC, Instructions: Contacts to EN 50 012., Integrated varistor suppressor circuit., with mirror contact., Voltage AC/DC: DC opera...

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path EATON - MOELLER > Contactors up to 170A

## Additional Product Information

General specifications

Product Name Eaton Moeller® series DILM contactor Catalog Number 290109 Model Code DILM15-01(48VDC) EAN

4015082901097 Product Length/Depth 75 mm Product Height 68 mm Product Width 45 mm Product Weight 0.296 kg

Certifications CSA-C22.2 No. 14-05

UL 508

UL File No.: E29096

UL

VDE 0660

UL Category Control No.: NLDX

IEC/EN 60947

CSA File No.: 012528

CSA

IEC/EN 60947-4-1

CE

CSA Class No.: 2411-03, 3211-04

VDE Catalog Notes Contacts according to EN 50012 Features & Functions

Fitted with: Mirror contact

Varistor suppressor circuit Number Of Poles Three-pole General

Application Contactors for Motors Frame size FS1 Lifespan, mechanical 10,000,000 Operations (DC operated) Operating frequency 5000 mechanical Operations/h (DC operated) Overvoltage category III Pollution degree 3 Product category Contactors Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) 8000 V AC Resistance per pole 4.6 m $\Omega$  Utilization category AC-3: Normal AC induction motors: starting, switch off during running

AC-1: Non-inductive or slightly inductive loads, resistance furnaces

AC-4: Normal AC induction motors: starting, plugging, reversing, inching Voltage type DC Ambient conditions, mechanical Shock resistance 3.4 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms

10 g, N/O main contact, Mechanical, according to IEC/EN 60068...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DILM15-01(48VDC) with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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