

**INDUSTRIAL COMPONENT DATA**

# DILM170(RDC24) 107016 Y7-107016 EATON ELECTRIC Contactor, 3p, 90kW/400V/AC3

Brand: EATON - MOELLER | Manufacturer Part Number: DILM170(RDC24)



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | EATON - MOELLER               |
| MPN / Reference | DILM170(RDC24)                |
| Catalog number  | Y7-107016                     |
| Category        | Power contactor, AC switching |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-DE0A6DD291                 |
| Generated       | 2026-08-05                    |

## Product Overview

Contactor, 3p, 90kW/400V/AC3

DILM170(RDC24)

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 90 kW, RDC 24: 24 - 27 V DC, DC operation, Screw terminals DILM170(RDC24)

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>= 170 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>= 225 A, enclosed: I<sub>th</sub>= 166 A , Rated operational current AC-1 Conventional free air thermal current, 1 pole open: I<sub>th</sub>= 460 A, enclosed: I<sub>th</sub>= 415 A, Max. rating for three-phase motors, 50 - 60 Hz AC-3 220 V 230 V: P= 52 kW, 380 V 400 V: P= 90 kW, 660 V 690 V: P= 96 kW, Max. rating for three-phase motors, 50 - 60 Hz AC-4 220 V 230 V: P= 20 kW, 380 V 400 V: P= 33 kW, 660 V 690 V: P= 48 kW, Can be combined with auxiliary contact: DILM150-XHI(V)..., DILM1000-XHI(V)..., Instructions: Contacts to EN 50 012., integrated suppressor circuit in actuating electronics, Observe electrical lifespan., Voltage AC/DC: DC operati...

**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 107016 Model Code DILM170(RDC24) EAN 4015081067848 Product Length/Depth 160 mm Product Height 170 mm Product Width 90 mm Product Weight 2.25 kg

Certifications IEC/EN 60947-4-1

UL File No.: E29096

VDE 0660

IEC/EN 60947

UL

UL 60947-4-1

CSA

CSA File No.: 012528

UL Category Control No.: NLDX

CSA-C22.2 No. 60947-4-1-14

CE

CSA Class No.: 2411-03, 3211-04 Catalog Notes Contacts according to EN 50012 Features & Functions

Fitted with: Suppressor circuit in actuating electronics Number Of Poles Three-pole General

Application Contactors for Motors Frame size FS4 Lifespan, mechanical 10,000,000 Operations (DC operated) Operating frequency 3000 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 Residual current 1 mA (with actuation of A1 - A2 by the electronics with "0" signal) Resistance per pole 0.6 mΩ Utilization category AC-1: Non-inductive or slightly inductive loads, resistance furnaces

AC-3: Normal AC induction motors: starting, switch off during running

AC-4: Normal AC induction motors: starting, plugging, reversing, inching Voltage type DC Ambient conditions, mechanical Shock resistance 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal sho...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DILM170(RDC24) 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

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