

INDUSTRIAL COMPONENT DATA

DILM170(RAC48) 107011 Y7-107011 EATON ELECTRIC Contactor, 3p, 90kW/400V/AC3

Brand: EATON - MOELLER | Manufacturer Part Number: DILM170(RAC48)



Manufacturer	EATON - MOELLER
MPN / Reference	DILM170(RAC48)
Catalog number	Y7-107011
Category	Power contactor, AC switching
Minimum order	1 Pcs
Document ID	EO-A271087423
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Product Overview

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

DILM170(RAC48)

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 90 kW, RAC 48: 42 - 48 V 50/60 Hz, AC 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: $I_e = 170$ A, Rated operational current AC-1 Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C: $I_{th} = I_e = 225$ A, enclosed: $I_{th} = 166$ A, Rated operational current AC-1 Conventional free air thermal current, 1 pole open: $I_{th} = 460$ A, enclosed: $I_{th} = 415$ 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: AC operation

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
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Additional Product Information

General specifications

Product Name Eaton Moeller® series DILM contactor Catalog Number 107011 Model Code DILM170(RAC48) EAN 4015081064199 Product Length/Depth 160 mm Product Height 170 mm Product Width 90 mm Product Weight 2.25 kg

Certifications CSA

UL File No.: E29096

UL 60947-4-1

UL

CSA File No.: 012528

VDE 0660

IEC/EN 60947

UL Category Control No.: NLDX

CE

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

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

IEC/EN 60947-4-1 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 (AC operated) Operating frequency 3000 mechanical Operations/h (AC 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-3: Normal AC induction motors: starting, switch off during running

AC-4: Normal AC induction motors: starting, plugging, reversing, inching

AC-1: Non-inductive or slightly inductive loads, resistance furnaces Voltage type AC Ambient conditions, mechanical Shock resistance 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, H...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DILM170(RAC48) with the required quantity to info@electricaonline.com or use 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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