

INDUSTRIAL COMPONENT DATA

DILM40(24V50/60HZ) 277770 Y7-277770 EATON ELECTRIC Contactor, 3p, 18.5kW/400V/AC3

Brand: EATON - MOELLER | Manufacturer Part Number: DILM40(24V50/60HZ)



Manufacturer	EATON - MOELLER
MPN / Reference	DILM40(24V50/60HZ)
Catalog number	Y7-277770
Category	Power contactor, AC switching
Minimum order	1 Pcs
Document ID	EO-9A554077C7
Generated	2026-08-05

Product Overview

Contactor, 3p, 18.5kW/400V/AC3

DILM40(24V50/60HZ)

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 18.5 kW, 24 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: Also suitable for motors with efficiency class IE3., IE3-ready devices are identified by the logo on their packaging., Number of poles: 3 pole, Rated operational current AC-3 380 V 400 V: $I_e = 40$ A, Rated operational current AC-1 Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C: $I_{th} = I_e = 60$ A, enclosed: $I_{th} = 45$ A, Rated operational current AC-1 Conventional free air thermal current, 1 pole open: $I_{th} = 125$ A, enclosed: $I_{th} = 112$ A, Max. rating for three-phase motors, 50 - 60 Hz AC-3 220 V 230 V: $P = 12.5$ kW, 380 V 400 V: $P = 18.5$ kW, 660 V 690 V: $P = 23$ kW, Max. rating for three-phase motors, 50 - 60 Hz AC-4 220 V 230 V: $P = 5$ kW, 380 V 400 V: $P = 9$ kW, 660 V 690 V: $P = 12$ kW, Can be combined with auxiliary contact: DILM150-XHI(V).., DILM1000-XHI(V).., Instructions: Contacts to EN 50 012., 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

Additional Product Information

General specifications

Product Name Eaton Moeller® series DILM contactor Catalog Number 277770 Model Code DILM40(24V50/60HZ) EAN

4015082777708 Product Length/Depth 132.1 mm Product Height 115 mm Product Width 55 mm Product Weight 0.872 kg

Certifications CSA File No.: 012528

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

VDE 0660

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

IEC/EN 60947

UL File No.: E29096

CSA

CE

IEC/EN 60947-4-1

UL 60947-4-1

UL Category Control No.: NLDX

UL Catalog Notes Contacts according to EN 50012 Features & Functions

Number Of Poles Three-pole General

Application Contactors for Motors Frame size FS3 Lifespan, mechanical 7,000,000 Operations (Coil 50/60 Hz)

10,000,000 Operations (AC operated) Operating frequency 5000 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 Resistance per

pole 1.9 m Ω Suitable for Also motors with efficiency class IE3 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 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms

7 g, N/O auxiliary contact, Mechanical...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DILM40(24V50/60HZ) 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.