

INDUSTRIAL COMPONENT DATA

FRCMM-80/2/01-S/A 170440 Y7-170440 EATON ELECTRIC
Residual current circuit breaker (RCCB), 80A, 2p, 100mA, t..

Brand: EATON - MOELLER | Manufacturer Part Number: FRCMM-80/2/01-S/A



Manufacturer	EATON - MOELLER
MPN / Reference	FRCMM-80/2/01-S/A
Catalog number	Y7-170440
Category	Residual current circuit breaker (RCCB)
Minimum order	1 Pcs
Document ID	EO-F43049A1F8
Generated	2026-08-06

Product Overview

Residual current circuit breaker (RCCB), 80A, 2p, 100mA, type S/A

Eaton Moeller series xEffect - FRCmM Type AC, A, U, R RCCB. Residual current circuit breaker (RCCB), 80A, 2p, 100mA, type S/A

Residual current circuit-breaker FRCmM, 2 pole, Rated current In: 80 A, Rated short-circuit strength Icn: 10 with back-up fuse kA, Rated fault current I_N: 0.1 A, Switchgear for industrial and advanced commercial applications

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 > Modular Switchgear - Industrial
--------------	---

Additional Product Information

General specifications

Product Name Eaton Moeller series xEffect - FRCmM Type AC, A, U, R RCCB Catalog Number 170440 Model Code FRCMM-80/2/01-S/A EAN 4015081669264 Product Length/Depth 80 mm Product Height 76 mm Product Width 35 mm Product Weight 0.202 kg Compliances RoHS conform Certifications IEC/EN 61008 EN45545-2

IEC 61373 Delivery program

Application Number of poles Two-pole Tripping time 40 ms delayed - selective switch off

Selective switch off Amperage Rating 80 A Rated short-circuit strength 10 kA with back-up fuse Fault current rating 100 mA

Sensitivity type Pulse-current sensitive Impulse withstand current 5 kA (8/20 us) surge-proof Type FRCmM

Residual current circuit breakers

Type S/A

Technical data - electrical

Voltage rating (IEC/EN 60947-2) 240 V AC Rated operational voltage (Ue) - max 240 V Rated insulation voltage (Ui) 440 V
Rated impulse withstand voltage (Uimp) 4 kV Rated fault current - min 0.1 A Rated fault current - max 0.1 A Frequency
rating 50 Hz / 60 Hz Short-circuit rating 80 A (max. admissible back-up fuse) Leakage current type A Rated residual making
and breaking capacity 800 A Admissible back-up fuse overload - max 80 A gG/gL Rated short-time withstand current (Icw)
10 kA Surge current capacity 5 kA Test circuit range 184 V AC - 250 V AC Pollution degree 2 Lifespan, electrical 4000
operations

Technical data - mechanical

Frame 45 mm Width in number of modular spacings 2 Built-in width (number of units) 35 mm (2 SU) Built-in depth 70.5 mm
Mounting M...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRCMM-80/2/01-S/A 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.