

INDUSTRIAL COMPONENT DATA

**FRBM6-C6/3N/03 170947 Y7-170947 EATON ELECTRIC
RCD/MCB combination switch, 6A, 300mA, miniature
circuit-br. ..**

Brand: EATON - MOELLER | Manufacturer Part Number: FRBM6-C6/3N/03



Manufacturer	EATON - MOELLER
MPN / Reference	FRBM6-C6/3N/03
Catalog number	Y7-170947
Category	Earth leakage circuit breaker
Minimum order	1 Pcs
Document ID	EO-FE68150799
Generated	2026-08-04

Product Overview

RCD/MCB combination switch, 6A, 300mA, miniature circuit-br. type C trip characteristic, 3-phase+N, residual current circuit-br. trip characteristic: AC

FRBM6-C6/3N/03

Eaton Moeller series xEffect - FRBM6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 6A, 300mA, MCB trip type C, 3-phase+N, RCCB trip type: AC

High-quality residual current device/minature circuit breaker combination, line voltage-independent, contact position indicator red - green, terminal rear plug protection, tri-stable slide catch - enables removal from existing busbar system, comprehensive range of accessories suitable for subsequent installation, wide range of rated fault currents, rated operational currents up to 40 A, tripping characteristics B, C, D, rated breaking capacity 6 kA, suitable for outdoor use (on-site power and outdoor distribution board) up to -25 °C

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 - Tertiary and Differential

Additional Product Information

General specifications

Product Name Eaton Moeller series xEffect - FRBM6/M RCBO - residual-current circuit breaker with overcurrent protection

Catalog Number 170947 Model Code FRBM6-C6/3N/03 EAN 4015081670765 Product Length/Depth 80 mm Product

Height 75.5 mm Product Width 70 mm Product Weight 0.461 kg Compliances RoHS conform Certifications CE

EN45545-2

IEC 61373 Delivery programme

Application Switchgear for industrial and advanced commercial applications Product range FRBM6 Basic function

Combined RCD/MCB devices Number of poles Three-pole + N Number of poles (protected) 4 Number of poles (total) 4

Release characteristic C Rated current 6 A Fault current rating 0.3 A Sensitivity type AC current sensitive Type RCBO

Technical data - electrical

Voltage type AC Voltage rating 415 V - 415 V Rated operational voltage (Ue) - max 415 V Rated insulation voltage (Ui) 500

V Rated impulse withstand voltage (Uimp) 4 kV Rated fault currents of product range 30, 100, 300 MilliAmpere Impulse

withstand current Partly surge-proof, 250 A Frequency rating 50 Hz Leakage current type AC Rated switching capacity 6 kA

Rated switching capacity (IEC/EN 61009) 6 kA Rated short-circuit breaking capacity (EN 60947-2) 0 kA Rated short-circuit

breaking capacity (EN 61009) 6 kA Rated short-circuit breaking capacity (EN 61009-1) 6 kA Rated short-circuit breaking

capacity (IEC 60947-2) 0 kA Surge current capacity 0.25 kA Disconnection characteristic Undelayed Tripping Non-delayed

Overvoltage category III Po...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRBM6-C6/3N/03 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.