

INDUSTRIAL COMPONENT DATA

FRBM6-B4/1N/003-A 178117 Y7-178117 EATON ELECTRIC RCD/MCB combination switch, 4A, 30mA, miniature circuit-br..

Brand: EATON - MOELLER | Manufacturer Part Number: FRBM6-B4/1N/003-A



Manufacturer	EATON - MOELLER
MPN / Reference	FRBM6-B4/1N/003-A
Catalog number	Y7-178117
Category	Earth leakage circuit breaker
Minimum order	1 Pcs
Document ID	EO-4B2E9279D7
Generated	2026-08-03

Product Overview

RCD/MCB combination switch, 4A, 30mA, miniature circuit-breaker type B trip characteristic, 1pole+N, residual current circuit-breaker trip characteristic: A

FRBM6-B4/1N/003-A

Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB combination, 4A, 30mA, MCB B trip char., 1pole+N, RCCB trip char.: A

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 178117 Model Code FRBM6-B4/1N/003-A EAN 4015081733927 Product Length/Depth 80 mm Product

Height 75 mm Product Width 35 mm Product Weight 0.216 kg Compliances RoHS conform Certifications CE Delivery programme

Application Switchgear for industrial and advanced commercial applications Basic function Combined RCD/MCB devices

Number of poles Single-pole + N Number of poles (protected) 1 Number of poles (total) 2 Release characteristic B

Amperage Rating 4 A Rated current 4 A Fault current rating 0.03 A Type RCBO Technical data - electrical

Voltage type AC Voltage rating 240 V - 240 V Rated operational voltage (Ue) - max 240 V Rated insulation voltage (Ui) 500

V Rated impulse withstand voltage (Uimp) 4 kV Frequency rating 50 Hz Leakage current type A 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 Overvoltage category III Pollution degree 2 Technical data - mechanical
Width in number of modular spacings 2 Built-in depth 75.5 mm Degree of protection IP20 Connectable conductor cross section (solid-core) - min 1 mm² Connectable conductor cross section (solid-core) - max 25 mm² Connectable....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRBM6-B4/1N/003-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.