

## INDUSTRIAL COMPONENT DATA

**FRBMM-D6/1N/003-A 170645 Y7-170645 EATON ELECTRIC RCD/MCB combination switch, 6A, 30mA, miniature circuit-br..**

Brand: EATON - MOELLER | Manufacturer Part Number: FRBMM-D6/1N/003-A



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | EATON - MOELLER               |
| MPN / Reference | FRBMM-D6/1N/003-A             |
| Catalog number  | Y7-170645                     |
| Category        | Earth leakage circuit breaker |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-DAD578ECA9                 |
| Generated       | 2026-08-04                    |

**Product Overview**

RCD/MCB combination switch, 6A, 30mA, miniature circuit-br. type D trip characteristic, 1-phase+N, residual current circuit-br. trip characteristic: A

FRBMM-D6/1N/003-A

Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 6A, 30mA, MCB trip type D, 1-phase+N, RCCB trip type: A

High-quality residual current device/miniature 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 10 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 170645 Model Code FRBMM-D6/1N/003-A EAN 4015081674527 Product Length/Depth 80 mm Product Height 75 mm Product Width 35 mm Product Weight 0.199 kg Compliances CE Marked

RoHS conform Certifications CE

EN45545-2

IEC 61373 Delivery programme

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

Combined RCD/MCB devices Number of poles Single-pole + N Number of poles (protected) 1 Number of poles (total) 2

Release characteristic D Amperage Rating 6 A Rated current 6 A Fault current rating 0.03 A Sensitivity type Pulse-current sensitive 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 Rated fault currents of product range 10, 30, 100, 300 MilliAmpere Impulse withstand current Partly surge-proof, 250 A Frequency rating 50 Hz Leakage current type A Rated switching capacity 10 kA Rated switching capacity (IEC/EN 61009) 10 kA Rated short-circuit breaking capacity (EN 60947-2) 15 kA Rated short-circuit breaking capacity (EN 61009) 10 kA Rated short-circuit breaking capacity (EN 61009-1) 10 kA Rated short-circuit breaking capacity (IEC 60947-2) 15 kA Surge current capacity 0.25 kA Disconnection characteristic Undelayed Tri...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRBMM-D6/1N/003-A with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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