

## INDUSTRIAL COMPONENT DATA

**FRBM6-D6/3N/003 171003 Y7-171003 EATON ELECTRIC  
RCD/MCB combination switch, 6A, 30mA, miniature circuit-br.**

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Brand: EATON - MOELLER | Manufacturer Part Number: FRBM6-D6/3N/003



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | EATON - MOELLER               |
| MPN / Reference | FRBM6-D6/3N/003               |
| Catalog number  | Y7-171003                     |
| Category        | Earth leakage circuit breaker |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-71F3471001                 |
| Generated       | 2026-08-05                    |

**Product Overview**

RCD/MCB combination switch, 6A, 30mA, miniature circuit-br. type D trip characteristic, 3-phase+N, residual current circuit-br. trip characteristic: AC

FRBM6-D6/3N/003

Eaton Moeller series xEffect - FRBM6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 6A, 30mA, MCB trip type D, 3-phase+N, RCCB trip type: AC

## 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 171003 Model Code FRBM6-D6/3N/003 EAN 4015081671236 Product Length/Depth 80 mm Product

Height 75.5 mm Product Width 70 mm Product Weight 0.445 kg Compliances CE Marked

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 D Amperage Rating 6 A Rated current 6 A Fault current rating 0.03 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-del...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRBM6-D6/3N/003 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

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