

## INDUSTRIAL COMPONENT DATA

# FRBM6-C10/3N/003 170990 Y7-170990 EATON ELECTRIC RCD/MCB combination switch, 10A, 30mA, miniature circuit-br..

Brand: EATON - MOELLER | Manufacturer Part Number: FRBM6-C10/3N/003



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | EATON - MOELLER               |
| MPN / Reference | FRBM6-C10/3N/003              |
| Catalog number  | Y7-170990                     |
| Category        | Earth leakage circuit breaker |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-2E7B60DFDF                 |
| Generated       | 2026-08-05                    |

## Product Overview

RCD/MCB combination switch, 10A, 30mA, miniature circuit-br. type C trip characteristic, 3-phase+N, residual current circuit-br. trip characteristic: AC

FRBM6-C10/3N/003

Eaton Moeller series xEffect - FRBM6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 10A, 30mA, 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 170990 Model Code FRBM6-C10/3N/003 EAN 4015081675043 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 C Rated current 10 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-delayed

Overvoltage c...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRBM6-C10/3N/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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