

## INDUSTRIAL COMPONENT DATA

# FRBM6-B20/1N/003 177790 Y7-177790 EATON ELECTRIC RCD/MCB combination switch, 20A, 30mA, miniature circuit-br..

Brand: EATON - MOELLER | Manufacturer Part Number: FRBM6-B20/1N/003



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | EATON - MOELLER               |
| MPN / Reference | FRBM6-B20/1N/003              |
| Catalog number  | Y7-177790                     |
| Category        | Earth leakage circuit breaker |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-DC2576B335                 |
| Generated       | 2026-08-05                    |

## Product Overview

RCD/MCB combination switch, 20A, 30mA, miniature circuit-breaker type B trip characteristic, 1pole+N, residual current circuit-breaker trip characteristic: AC

FRBM6-B20/1N/003

Eaton Moeller series xEffect - FRBM6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 20A, 30mA, MCB trip type B, 1pole+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 177790 Model Code FRBM6-B20/1N/003 EAN 4015081723638 Product Length/Depth 80 mm Product

Height 75 mm Product Width 35 mm Product Weight 0.216 kg Compliances CE Marked

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 20 A Rated current 20 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 AC 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 mm<sup>2</sup> Connectable conductor cross section (solid-core) - max 25 mm<sup>2</sup>....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRBM6-B20/1N/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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