

## INDUSTRIAL COMPONENT DATA

**FRBMM-B40/1N/03-A-RT 305180 Y7-305180 EATON ELECTRIC  
Combined Int. FRBMM, 40A, 300mA, B-Curve, 1P+N, Class A..**

Brand: EATON - MOELLER | Manufacturer Part Number: FRBMM-B40/1N/03-A-RT



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | EATON - MOELLER               |
| MPN / Reference | FRBMM-B40/1N/03-A-RT          |
| Catalog number  | Y7-305180                     |
| Category        | Earth leakage circuit breaker |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-5F1F3A1926                 |
| Generated       | 2026-08-06                    |

**Product Overview**

Combined Int. FRBMM, 40A, 300mA, B-Curve, 1P+N, Class A Terminal

FRBMM-B40/1N/03-A-RT. RCD/MCB, 40A, 300mA, miniature circuit-breaker trip curve: B, 1pole+N, residual current circuit-breaker trip characteristic: 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 &gt; 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 305180 Model Code FRBMM-B40/1N/03-A-RT EAN 9010238988736 Product Length/Depth 75.5 mm

Product Height 84.5 mm Product Width 35.4 mm Product Weight 0.21 kg Compliances RoHS conform Certifications EN45545-2

IEC 61373 Delivery programme

Number of poles (protected) 1 Number of poles (total) 2 Release characteristic B Amperage Rating 2 A Rated current 40 A

Fault current rating 0.3 A Technical data - electrical

Voltage type AC 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 switching capacity (IEC/EN 60947-2) 10 kA

Rated short-circuit breaking capacity (EN 60947-2) 10 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) 10 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> Connectable conductor cross section (multi-wired) - min 1 mm<sup>2</sup> Connectable conductor cross section (multi-wired) - max 25....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRBMM-B40/1N/03-A-RT 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

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.