

## INDUSTRIAL COMPONENT DATA

**FRCMM-80/4/003-B 187806 Y7-187806 EATON ELECTRIC  
AC/DC sensitive residual current circuit-breakers, 80A, 4p,..**

Brand: EATON - MOELLER | Manufacturer Part Number: FRCMM-80/4/003-B



|                 |                                         |
|-----------------|-----------------------------------------|
| Manufacturer    | EATON - MOELLER                         |
| MPN / Reference | FRCMM-80/4/003-B                        |
| Catalog number  | Y7-187806                               |
| Category        | Residual current circuit breaker (RCCB) |
| Minimum order   | 1 Pcs                                   |
| Document ID     | EO-7E92286930                           |
| Generated       | 2026-08-02                              |

**Product Overview**

AC/DC sensitive residual current circuit-breakers, 80A, 4p, 30mA, type B

FRCMM-80/4/003-B

Eaton Moeller series xEffect - FRCmM-125 Type B, Bfq and B+ RCCB. Residual current circuit-breaker, all-current sensitive, 80 A, 4p, 30 mA, type B

Residual current circuit-breaker, 4 pole, Rated current In: 80 A, Rated short-circuit strength Icn: 10 with back-up fuse kA, Rated fault current I?N: 0.03 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 > Modular Switchgear - Industrial

**Additional Product Information**

General specifications

Product Name Eaton Moeller series xEffect - FRCmM-125 Type B, Bfq and B+ RCCB Catalog Number 187806 Model Code FRCMM-80/4/003-B EAN 4015081854905 Product Length/Depth 90 mm Product Height 80 mm Product Width 75 mm Product Weight 0.48 kg Compliances RoHS conform Certifications IEC/EN 62423

IEC/EN 61008 Delivery program

Application Number of poles Four-pole Tripping time Short time-delayed Amperage Rating 80 A Rated short-circuit strength 10 kA with back-up fuse Fault current rating 30 mA Sensitivity type All current sensitive Impulse withstand current 3 kA (8/20 us) surge-proof Type FRCmM

Residual current circuit breakers

Type B

**Technical data - electrical**

Voltage rating (IEC/EN 60947-2) 240 V AC / 415 V AC Rated operational voltage (Ue) - max 240 V Rated insulation voltage (Ui) 440 V Rated impulse withstand voltage (Uimp) 4 kV Rated fault current - min 0.03 A Rated fault current - max 0.03 A Frequency rating 50 Hz Short-circuit rating 100 A (max. admissible back-up fuse) Leakage current type B Rated residual making and breaking capacity 800 A Admissible back-up fuse overload - max 80 A gG/gL Rated short-time withstand current (Icw) 10 kA Surge current capacity 3 kA Test circuit range 184 V AC - 440 V AC Pollution degree 2 Lifespan, electrical 4000 operations Technical data - mechanical

Frame 45 mm Width in number of modular spacings 4 Built-in width (number of units) 70 mm (4 SU) Built-in depth 77.5 mm Mounting Method Quick attachment for top-hat rail....

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send EATON - MOELLER / FRCMM-80/4/003-B 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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