

## INDUSTRIAL COMPONENT DATA

**FRBM6-C16/1N/003-G/A 177854 Y7-177854 EATON ELECTRIC RCD/MCB combination switch, 16A, 30mA, miniature circuit breaker**

Brand: EATON - MOELLER | Manufacturer Part Number: FRBM6-C16/1N/003-G/A



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | EATON - MOELLER               |
| MPN / Reference | FRBM6-C16/1N/003-G/A          |
| Catalog number  | Y7-177854                     |
| Category        | Earth leakage circuit breaker |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-C30708D734                 |
| Generated       | 2026-08-05                    |

**Product Overview**

RCD/MCB combination switch, 16A, 30mA, miniature circuit-breaker type C trip characteristic, 1pole+N, residual current circuit-breaker trip characteristic: G/A

FRBM6-C16/1N/003-G/A

Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB combination, 16A, 30mA, MCB C trip char., 1pole+N, RCCB trip char.: G/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 - 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 177854 Model Code FRBM6-C16/1N/003-G/A EAN 4015081724277 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 C  
Amperage Rating 16 A Rated current 16 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 A 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 3 kA Disconnection characteristic Short-time delayed 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) - ma...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRBM6-C16/1N/003-G/A 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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