

## INDUSTRIAL COMPONENT DATA

# FRCDM-40/4/003-U 168643 EATON ELECTRIC Digital residual current circuit-breaker, 63A, 4p, 30mA, type U

Brand: EATON - MOELLER | Manufacturer Part Number: FRCDM-40/4/003-U



|                 |                                         |
|-----------------|-----------------------------------------|
| Manufacturer    | EATON - MOELLER                         |
| MPN / Reference | FRCDM-40/4/003-U                        |
| Catalog number  | 168643                                  |
| Category        | Residual current circuit breaker (RCCB) |
| Minimum order   | 1 Pcs                                   |
| Document ID     | EO-A57329E497                           |
| Generated       | 2026-08-05                              |

## Product Overview

Digital residual current circuit-breaker, 63A, 4p, 30mA, type U

Digital Differential Switch, 40A, 4p, 30mA, U class

Residual current circuit-breaker FRCDM, 4 pole, Rated current In: 40 A, Rated short-circuit strength Icn: 10 with back-up fuse kA, Rated fault current I<sub>N</sub>: 0.03 A, Residual current circuit-breaker - frequency converter-proof

## 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 - FRCDM Type AC, A, U, R RCCB Catalog Number 168643 Model Code

FRCDM-40/4/003-U EAN 4015081651306 Product Length/Depth 80 mm Product Height 71 mm Product Width 70 mm

Product Weight 0.32 kg Compliances RoHS conform Certifications IEC/EN 61008

EN45545-2

IEC 61373 Delivery program

Application xEffect - Switchgear for industrial and advanced commercial applications Number of poles Four-pole Tripping time 10 ms delayed

Short time-delayed Amperage Rating 40 A Rated short-circuit strength 10 kA Fault current rating 30 mA Sensitivity type Pulse-current sensitive, suitable for variable frequency drives Impulse withstand current 3 kA (8/20 us) surge-proof Type Technical data - electrical

Voltage rating (IEC/EN 60947-2) 240 V AC / 415 V AC Voltage rating - min 50 VAC Voltage rating - max 264 VAC Rated

operational voltage (Ue) - max 415 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 63 A (max.  
admissible back-up fuse) Leakage current type A Rated residual making and breaking capacity 500 A Admissible back-up  
fuse 63 A gG/gL Admissible back-up fuse overload - max 40 A gG/gL Rated short-time withstand current (Icw) 10 kA Surge  
current capacity 3 kA Test circuit range 196 V AC - 264 V AC Pollution degree 2 Radiation resistance Suitable for variable  
frequency drives (enhanced sensitiv...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / FRCDM-40/4/003-U 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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Floor, JLT, Dubai

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requirements against the manufacturer documentation before purchase or installation.