

Eaton 169644

Catalog Number: 169644

Eaton Moeller series xPole - mRB64/M4 RCBO - residual-current circuit breaker with overcurrent protection. MCB/RCD, 20 A_x, 30mA, MCB trip type C, 3p, RCCB trip type: A

General specifications



Product Name	Catalog Number
Eaton Moeller series xPole - mRB64/M4 RCBO - residual-current circuit breaker with overcurrent protection	169644
Model Code	mRBM4-20/3/C/003-A-UK-PT
EAN	4015081661343
Product Length/Depth	86 mm
Product Height	75 mm
Product Width	73 mm
Product Weight	0.485 kg
Compliances	CE Marked RoHS conform
Certifications	CE

Delivery program

Application

Switchgear for residential and commercial applications

Product range

mRBM4-UK-PT

Basic function

Combined RCD/MCB devices

Number of poles

Three-pole

Number of poles (protected)

3

Number of poles (total)

3

Tripping characteristic

C

Release characteristic

C

Amperage Rating

20 A

Rated current

20 A

Fault current rating

0.03 A

Sensitivity type

Type A, pulse-current sensitive

Type

RCBO

Technical data - electrical

Voltage type

AC

Voltage rating

230 V

Rated operational voltage (Ue) - max

415 V

Rated insulation voltage (Ui)

440 V

Rated impulse withstand voltage (Uimp)

4 kV

Impulse withstand current

Partly surge-proof, 250 A

Frequency rating

50 Hz

Leakage current type

A

Rated switching capacity

10 kA

Rated switching capacity (IEC/EN 61009)

10 kA

Rated short-circuit breaking capacity (EN 60947-2)

0 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)

0 kA

Surge current capacity

250 kA

Disconnection characteristic

Undelayed

Tripping

Non-delayed

Overvoltage category

III

Pollution degree

2

Technical data - mechanical

Width in number of modular spacings

4

Built-in depth

69.5 mm

Degree of protection

IP20

Connectable conductor cross section (solid-core) - min

1 mm²

Connectable conductor cross section (solid-core) - max

25 mm²

Connectable conductor cross section (multi-wired) - min

1 mm²

Connectable conductor cross section (multi-wired) - max

25 mm²

Design verification as per IEC/EN 61439 - technical data

Rated operational current for specified heat dissipation (In)

20 A

Heat dissipation per pole, current-dependent

0 W

Equipment heat dissipation, current-dependent

11.8 W

Static heat dissipation, non-current-dependent

0 W

Heat dissipation capacity

0 W

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

40 °C

Additional information

Current limiting class

3

Resources

Catalogues

[eaton-xpole-mrb64-pt-rcbo-catalog-ca019061en-en-us.pdf](#)

[eaton-xpole-mrbm4-uk-pt-rcbo-catalog-ca019060en-en-us.pdf](#)

[eaton-xpole-mrbm4-pt-rcbo-catalog-ca019059en-en-us.pdf](#)

Certification reports

[03_mRB-3p_200416](#)

[03_mRB-2_160616](#)

Drawings

[eaton-xpole-mrb64-m4-dimensions.jpg](#)

Installation instructions

[IL019160ZU](#)

[MA120500734.pdf](#)

Wiring diagrams

[eaton-xpole-mrb64-m4-wiring-diagram.jpg](#)



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