

Specifications



Eaton 167508

Eaton Moeller series xPole - mRB4/6 RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 32A, 30mA, MCB trip curve C, 3pole+N, RCCB trip type: A

General specifications

PRODUCT NAME	Eaton Moeller series xPole - mRB4 RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	167508
MODEL CODE	mRB4-32/3N/C/003-A
EAN	4015081640096
PRODUCT LENGTH/DEPTH	86 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	70 mm
PRODUCT WEIGHT	0.48 kg
COMPLIANCES	CE Marked RoHS conform
CERTIFICATIONS	CE

Additional information

CURRENT LIMITING CLASS

3

FEATURES

Concurrently switching N-neutral

STANDARDS

IEC/EN 61009

Design verification to IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE - MAX

40 °C

AMBIENT OPERATING TEMPERATURE - MIN

-25 °C

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT

15.6 W

HEAT DISSIPATION CAPACITY

0 W

HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT

0 W

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)

32 A

STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT

0 W

Delivery programme

APPLICATION

Switchgear for residential and commercial applications

BASIC FUNCTION

Combined RCD/MCB devices

FAULT CURRENT RATING

0.03 A

NUMBER OF POLES

Three-pole + N

NUMBER OF POLES (PROTECTED)

4

NUMBER OF POLES (TOTAL)

4

PRODUCT RANGE

mRB4

RATED CURRENT

32 A

RELEASE CHARACTERISTIC

C

SENSITIVITY TYPE

Type A, pulse-current sensitive

TRIPPING CHARACTERISTIC

C

TYPE

RCBO

Technical data - electrical

BACK-UP FUSE

100 Ampere gL

DISCONNECTION CHARACTERISTIC

Undelayed

FREQUENCY RATING

50 Hz

IMPULSE WITHSTAND CURRENT

Partly surge-proof, 250 A

LEAKAGE CURRENT TYPE

A

POLLUTION DEGREE

2

RATED IMPULSE WITHSTAND VOLTAGE (UIMP)

4 kV

RATED INSULATION VOLTAGE (UI)

500 V

RATED OPERATIONAL VOLTAGE (UE) - MAX

400 V

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)

4.5 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)

4.5 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009)

4.5 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)	4.5 kA
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RATED SWITCHING CAPACITY	4.5 kA
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RATED SWITCHING CAPACITY (IEC/EN 60947- 2)	4.5 kA
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RATED SWITCHING CAPACITY (IEC/EN 61009)	4.5 kA
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SURGE CURRENT CAPACITY	0.25 kA
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TRIPPING	Non-delayed
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VOLTAGE RATING	230 V
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VOLTAGE TYPE	AC
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Technical data - mechanical

BUILT-IN DEPTH	70 mm
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CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm ²
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DEGREE OF PROTECTION	IP20
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DEVICE HEIGHT	80 mm
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MOUNTING METHOD	DIN rail
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MOUNTING STYLE	Tri-stable slide catch - enables removal from existing busbar combination
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WIDTH IN NUMBER OF MODULAR SPACINGS	4
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Resources

DECLARATIONS OF CONFORMITY	eaton-rcbo-residual- current-circuit-breaker- with-overcurrent- protection-declaration-of- conformity- eu250076en.pdf
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DRAWINGS	eaton-xeffect-frbm6m- characteristic-curve- 002.jpg eaton-xeffect-frbm6m- dimensions-004.jpg
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ECAD MODEL	ETN.mRB4-32 3N C 003-A
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INSTALLATION INSTRUCTIONS	eaton-mcb-rccb-rcbo-g9- il019140zu.pdf eaton-xpole-combined- mcb-rcd-device-rcbo- packaging-manual- multilingual.pdf
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MCAD MODEL	eaton-rcd-with- overcurrent-protection-3d- models-frbm-3n-rcbo.stp
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PEP ECO-PASSPORT	eaton-rcd-with- overcurrent-protection- pep-eato-00113-v0101- en.pdf
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WIRING DIAGRAMS	eaton-mcb-xpole-mrb4-6- wiring-diagram.eps mRB
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PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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