

Specifications



Eaton 167509

Eaton Moeller series xPole - mRB4/6 RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 32A, 100mA, 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	167509
MODEL CODE	mRB4-32/3N/C/01-A
EAN	4015081640102
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



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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	0.1 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- wiring-diagram-002.jpg eaton-xeffect-frbm6m- characteristic-curve- 002.jpg eaton-xeffect-frbm6m- dimensions-004.jpg
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ECAD MODEL	ETN.mRB4-32_3N_C_01-A
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INSTALLATION INSTRUCTIONS	eaton-xpole-combined- mcb-rcc-device-rcbo- packaging-manual- multilingual.pdf eaton-mcb-rccb-rcbo-g9- il019140zu.pdf
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MCAD MODEL	eaton-rcc-with- overcurrent-protection-3d- models-frbm-3n-rcbo.stp
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PEP ECO-PASSPORT	eaton-rcc-with- overcurrent-protection- pep-eato-00113-v0101- en.pdf
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WIRING DIAGRAMS	eaton-mcb-xpole-mrb4-6- wiring-diagram.eps
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PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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