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

Delivery program

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

Design verification as per 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

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
RATED SWITCHING CAPACITY	4.5 kA
RATED SWITCHING CAPACITY (IEC/EN 60947-	4.5 kA

2)	
RATED SWITCHING CAPACITY (IEC/EN 61009)	4.5 kA
SURGE CURRENT CAPACITY	0.25 kA
TRIPPING	Non-delayed
VOLTAGE RATING	230 V
VOLTAGE TYPE	AC

Technical data - mechanical

BUILT-IN DEPTH	70 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm²
DEGREE OF PROTECTION	IP20
DEVICE HEIGHT	80 mm
MOUNTING METHOD	DIN rail
MOUNTING STYLE	Tri-stable slide catch - enables removal from existing busbar combination
WIDTH IN NUMBER OF MODULAR SPACINGS	4

Resources

DECLARATIONS OF CONFORMITY	eaton-rcd-overcurrent-protection-rcbo-declaration-eu260080en.pdf
ECAD MODEL	ETN.mRB4-32_3N_C_003-A
INSTALLATION INSTRUCTIONS	eaton-xpole-combined-mcb-rcd-device-rcbo-packaging-manual-multilingual.pdf eaton-mcb-rccb-rcbo-g9-il019140zu.pdf
MCAD MODEL	eaton-rcd-with-overcurrent-protection-3d-models-frbm-3n-rcbo.stp
PEP ECO-PASSPORT	eaton-rcd-with-overcurrent-protection-pep-eato-00113-v0101-en.pdf
WIRING DIAGRAMS	eaton-mcb-xpole-mrb4-6-wiring-diagram.eps eaton-xeffect-rcbo-mrb-wiring-diagram.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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