

Specifications



Eaton 169665

Eaton Moeller series xPole - mRB64/M4 RCBO - residual-current circuit breaker with overcurrent protection. MCB/RCD, 10A, 30mA, MCB trip type D, 3p, RCCB trip type: AC

General specifications

PRODUCT NAME	Eaton Moeller series xPole - mRB64/M4 RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	169665
MODEL CODE	mRBM4-10/3/D/003-UK-PT
EAN	4015081661534
PRODUCT LENGTH/DEPTH	86 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	73 mm
PRODUCT WEIGHT	0.43 kg
COMPLIANCES	CE Marked RoHS conform
CERTIFICATIONS	CE

Additional information

CURRENT LIMITING CLASS	3
-------------------------------	---

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	7.8 W
--	-------

HEAT DISSIPATION CAPACITY	0 W
----------------------------------	-----

HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
---	-----

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	10 A
--	------

STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
---	-----

Delivery programme

AMPERAGE RATING	10 A
------------------------	------

APPLICATION	Switchgear for residential and commercial applications
--------------------	--

BASIC FUNCTION	Combined RCD/MCB devices
-----------------------	--------------------------

FAULT CURRENT RATING	0.03 A
-----------------------------	--------

NUMBER OF POLES	Three-pole
------------------------	------------

NUMBER OF POLES (PROTECTED)	3
------------------------------------	---

NUMBER OF POLES (TOTAL)	3
--------------------------------	---

PRODUCT RANGE	mRBM4-UK-PT
----------------------	-------------

RATED CURRENT	10 A
----------------------	------

RELEASE CHARACTERISTIC	D
-------------------------------	---

SENSITIVITY TYPE	Type AC, AC current sensitive.
-------------------------	--------------------------------

TRIPPING CHARACTERISTIC	D
--------------------------------	---

TYPE	RCBO
-------------	------

Technical data - electrical

DISCONNECTION CHARACTERISTIC	Undelayed
-------------------------------------	-----------

FREQUENCY RATING	50 Hz
-------------------------	-------

IMPULSE WITHSTAND CURRENT	Partly surge-proof, 250 A
----------------------------------	---------------------------

LEAKAGE CURRENT TYPE	AC
-----------------------------	----

POLLUTION DEGREE	2
-------------------------	---

RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
---	------

RATED INSULATION VOLTAGE (UI)	440 V
--------------------------------------	-------

RATED OPERATIONAL VOLTAGE (UE) - MAX	415 V
---	-------

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)	0 kA
---	------

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)	10 kA
---	-------

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009)	10 kA
---	-------

RATED SWITCHING CAPACITY	10 kA
RATED SWITCHING CAPACITY (IEC/EN 61009)	10 kA
SURGE CURRENT CAPACITY	250 kA
TRIPPING	Non-delayed
VOLTAGE RATING	230 V
VOLTAGE TYPE	AC

Technical data - mechanical

BUILT-IN DEPTH	69.5 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm ²
DEGREE OF PROTECTION	IP20
MOUNTING METHOD	DIN rail
WIDTH IN NUMBER OF MODULAR SPACINGS	4

Resources

CATALOGUES	eaton-xpole-mrbm4-uk-pt-rcbo-catalog-ca019060en-en-us.pdf
	eaton-xpole-mrb64-pt-rcbo-catalog-ca019061en-en-us.pdf
	eaton-xpole-mrbm4-pt-rcbo-catalog-ca019059en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-rcbo-residual-current-circuit-breaker-with-overcurrent-protection-declaration-of-conformity-eu250080en.pdf
DRAWINGS	eaton-xpole-mrb64-m4-dimensions.jpg
INSTALLATION INSTRUCTIONS	MA120500734.pdf IL019160ZU
WIRING DIAGRAMS	eaton-xpole-mrb64-m4-wiring-diagram.jpg

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

