



## Eaton 142753

Eaton Moeller series xPole - mRCM RCCB.  
Residual current circuit breaker (RCCB), 25A,  
2 p, 100mA, type A

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<b>PRODUCT NAME</b>	Eaton Moeller series xPole - mRCM RCCB
<b>CATALOG NUMBER</b>	142753
<b>PRODUCT LENGTH/DEPTH</b>	76 mm
<b>PRODUCT HEIGHT</b>	80 mm
<b>PRODUCT WIDTH</b>	35 mm
<b>PRODUCT WEIGHT</b>	0.22 kg
<b>COMPLIANCES</b>	RoHS conform
<b>CERTIFICATIONS</b>	IEC/EN 61008

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<b>USED WITH</b>	Type A Residual current circuit breaker, only for export mRCM
<b>AMPERAGE RATING</b>	25 A
<b>FEATURES</b>	Additional equipment possible Residual current circuit- breakers only for export
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to

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□□□□	<a href="#">eaton-protective-devices- catalog-ca20190603-en- us.pdf</a>
□□	<a href="#">eaton-circuit-breaker- xeffect-frcmm-rccb- dimensions.jpg</a>

	be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Interlocking device
<b>FREQUENCY RATING</b>	50 Hz
<b>POLLUTION DEGREE</b>	2
<b>MOUNTING METHOD</b>	DIN rail
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>	1.3 W
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	4 kV
<b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>	10 kA
<b>ADMISSIBLE BACK-UP FUSE OVERLOAD - MAX</b>	25 A gG/gL
<b>SHORT-CIRCUIT RATING</b>	63 A (max. admissible back-up fuse)
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>BUILT-IN DEPTH</b>	68 mm
<b>CONNECTABLE</b>	16 mm <sup>2</sup>

<b>CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b>	
<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b>	1.5 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX</b>	35 mm <sup>2</sup>
<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN</b>	1.5 mm <sup>2</sup>
<b>FAULT CURRENT RATING</b>	100 mA
<b>HEAT DISSIPATION CAPACITY</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>	0 W
<b>DEGREE OF PROTECTION</b>	IP20
<b>IMPULSE WITHSTAND CURRENT</b>	Partly surge-proof 250 A
<b>NUMBER OF POLES</b>	Two-pole
<b>LEAKAGE CURRENT TYPE</b>	A
<b>TYPE</b>	<ul style="list-style-type: none"> <li>• mRCM</li> <li>• Residual current circuit breaker, only for export</li> <li>• Type A</li> </ul>
<b>SPECIAL FEATURES</b>	Maximum operating temperature is 55 °C: Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C
<b>APPLICATION</b>	<ul style="list-style-type: none"> <li>• Switchgear for residential and commercial applications</li> <li>• xPole - Switchgear for residential and commercial applications</li> </ul>
<b>SENSITIVITY TYPE</b>	Pulse-current sensitive
<b>RATED FAULT CURRENT - MAX</b>	0.1 A
<b>RATED FAULT CURRENT - MIN</b>	0.1 A

RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	25 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED RESIDUAL MAKING AND BREAKING CAPACITY	500 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
SURGE CURRENT CAPACITY	0.25 kA
WIDTH IN NUMBER OF MODULAR SPACINGS	2
VOLTAGE TYPE	AC
TRIPPING TIME	Non-delayed
RATED SHORT-CIRCUIT STRENGTH	10 kA
RAL-NUMBER	7035
COLOR	Gray

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



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