# Eaton 235927

RCD/MCB combination switch, 2A, 30mA, miniature circuit-br. type B trip characteristic, 1-phase+N, residual current circuit-br. trip characteristic: AC (PKNM-2/1N/B/003-MW)

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| **PRODUCT NAME** | Eaton Moeller series xPole - PKN6/M RCBO - residual-current circuit breaker with overcurrent protection |
| **CATALOG NUMBER** | 235927 |
| **PRODUCT LENGTH/DEPTH** | 80 mm |
| **PRODUCT HEIGHT** | 75 mm |
| **PRODUCT WIDTH** | 35 mm |
| **PRODUCT WEIGHT** | 0.203 kg |
| **COMPLIANCES** | RoHS conform<br>CE Marked |

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| **VOLTAGE RATING** | 230 V |
| **SURGE CURRENT CAPACITY** | 0.25 kA |
| **VOLTAGE TYPE** | AC |
| **WIDTH IN NUMBER OF MODULAR SPACINGS** | 2 |
| **FEATURES** | Concurrently switching N-neutral |
| **10.10 TEMPERATURE RISE** | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| **10.11 SHORT-CIRCUIT RATING** | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| **10.12 ELECTROMAGNETIC COMPATIBILITY** | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| **10.13 MECHANICAL FUNCTION** | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| **10.2.2 CORROSION RESISTANCE** | Meets the product standard's requirements. |
| **10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES** | Meets the product standard's requirements. |
| **10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT** | Meets the product standard's requirements. |
| **10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS** | Meets the product standard's requirements. |
| **10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION** | Meets the product standard's requirements. |
| **10.2.5 LIFTING** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.2.6 MECHANICAL IMPACT** | Does not apply, since the entire switchgear needs to be evaluated. |

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| **10.2.7 INSCRIPTIONS** | Meets the product standard's requirements. |
| **10.3 DEGREE OF PROTECTION OF ASSEMBLIES** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.4 CLEARANCES AND CREEPAGE DISTANCES** | Meets the product standard's requirements. |
| **10.5 PROTECTION AGAINST ELECTRIC SHOCK** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS** | Is the panel builder's responsibility. |
| **10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS** | Is the panel builder's responsibility. |
| **10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH** | Is the panel builder's responsibility. |
| **10.9.3 IMPULSE WITHSTAND VOLTAGE** | Is the panel builder's responsibility. |
| **10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL** | Is the panel builder's responsibility. |
| **OPERATING AMBIENT TEMPERATURE - MAX** | 40 °C |
| **OPERATING AMBIENT TEMPERATURE - MIN** | -25 °C |
| **RATED CURRENT** | 2 A |
| **RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)** | 2 A |
| **STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT** | 0 W |
| **BUILT-IN DEPTH** | 69.5 mm |
| **CURRENT LIMITING CLASS** | 3 |
| **RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)** | 0 kA |
| **FAULT CURRENT RATING** | 0.03 A |
| **HEAT DISSIPATION CAPACITY** | 0 W |
| **HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT** | 0 W |
| **NUMBER OF POLES (PROTECTED)** | 1 |

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| **NUMBER OF POLES (TOTAL)** | 2 |
| **BASIC FUNCTION** | Combined RCD/MCB devices |
| **EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT** | 1.5 W |
| **DEGREE OF PROTECTION** | IP20 |
| **OVERVOLTAGE CATEGORY** | III |
| **POLLUTION DEGREE** | 2 |
| **LEAKAGE CURRENT TYPE** | AC |
| **RELEASE CHARACTERISTIC** | B |
| **FREQUENCY RATING** | 50 Hz |
| **NUMBER OF POLES** | Single-pole + N |
| **TYPE** | RCBO |
| **APPLICATION** | Switchgear for residential and commercial applications |

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