

Specifications

Eaton 263588

Eaton Moeller series xPole - PF6/7 RCCB.
PF7, 4 pole, In: 40 A, Icn: 10 kA, IΔN: 0.3 A,
Type AC, AC current sensitive, Partly surge-
proof 250 A, residential and commercial

General specifications

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| PRODUCT NAME | Eaton Moeller series xPole - PF6/7 RCCB |
| CATALOG NUMBER | 263588 |
| MODEL CODE | PF7-40/4/03-DE |
| EAN | 4015082635886 |
| PRODUCT LENGTH/DEPTH | 76 mm |
| PRODUCT HEIGHT | 80 mm |
| PRODUCT WIDTH | 70 mm |
| PRODUCT WEIGHT | 0.32 kg |
| COMPLIANCES | RoHS conform |
| CERTIFICATIONS | IEC/EN 61008 |
| GLOBAL CATALOG | 263588 |



Powering Business Worldwide

Product specifications

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| USED WITH | <p>KLV-TC-4 276241 (Compact enclosure) Z-FW/LP 248296 (Remote control and automatic switching device) Z-RC/AK-4TE 101062 (sealing cover set) Residual current circuit breakers</p> <p>Type AC PF7</p> <p>KLV-TC-4 276241 (Compact enclosure) Z-FW/LP 248296 (Remote control and automatic switching device) Z-RC/AK-4TE 101062 (sealing cover set)</p> |
| AMPERAGE RATING | 40 A |
| VOLTAGE RATING | 230 V AC / 400 V AC |
| FEATURES | <p>Residual current circuit breaker</p> <p>Additional equipment possible</p> |
| ACCESSORIES REQUIRED | Z-HK 248432 |
| 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 | Meets the product standard's requirements. |

Resources

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| APPLICATION NOTES | eaton-rccd-application-guide-br019003en-en-us.pdf |
| CATALOGS | <p>eaton-xpole-pf7-rccb-catalog-ca019032en-en-us.pdf</p> <p>eaton-xpole-pf6-rccb-catalog-ca019034en-en-us.pdf</p> |
| DECLARATIONS OF CONFORMITY | eaton-rccb-declaration-of-conformity-eu250113en.pdf |
| DRAWINGS | <p>eaton-xpole-pf67-rccb-3d-drawing.jpg</p> <p>eaton-circuit-breaker-xeffect-frcmm-rccb-dimensions.jpg</p> |
| INSTALLATION INSTRUCTIONS | eaton-rccb-rcto-g9-il019140zu.pdf |
| MCAD MODEL | <p>eaton-residual-current-circuit-breakers-drawings-pfi-4p.dwg</p> <p>eaton-residual-current-circuit-breakers-3d-models-pfi-4p.stp</p> |
| PEP ECO-PASSPORT | eaton-residual-current-circuit-breakers-pep-eato-00111-v0101-en.pdf |
| WIRING DIAGRAMS | eaton-xeffect-frcmm-rccb-wiring-diagram-002.jpg |

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| TO NORMAL HEAT | |
| 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. |
| 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. |
| FITTED WITH: | IS/SPE-1TE 101911 Interlocking device |
| FRAME | 45 mm |
| FREQUENCY RATING | 50 Hz |
| POLLUTION DEGREE | 2 |
| MOUNTING METHOD | DIN rail Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715 |
| CLIMATIC PROOFING | 25-55 °C / 90-95% relative |

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| | humidity according to IEC 60068-2 |
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT | 8.4 W |
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) | 4 kV |
| RATED SHORT-TIME WITHSTAND CURRENT (ICW) | 10 kA |
| ADMISSIBLE BACK-UP FUSE OVERLOAD - MAX | 25 A gG/gL |
| BUILT-IN WIDTH (NUMBER OF UNITS) | 70 mm (4 SU) |
| BUSBAR MATERIAL THICKNESS | 0.8 mm - 2 mm |
| SHORT-CIRCUIT RATING | 63 A (max. admissible back-up fuse) |
| TERMINAL PROTECTION | Finger and hand touch safe, DGUV VS3, EN 50274 |
| TERMINALS (TOP AND BOTTOM) | Open mouthed/lift terminals |
| TEST CIRCUIT RANGE | 184 V AC - 440 V AC |
| AMBIENT OPERATING TEMPERATURE - MAX | 60 °C |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| BUILT-IN DEPTH | 69.5 mm |
| CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX | 16 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN | 1.5 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX | 35 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN | 1.5 mm ² |
| FAULT CURRENT RATING | 300 mA |
| HEAT DISSIPATION CAPACITY | 0 W |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT | 0 W |

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| PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MAX | 60 °C |
| PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MIN | -35 °C |
| LIFESPAN, MECHANICAL | 20000 operations |
| DEGREE OF PROTECTION | IP20 IP20, IP40 with suitable enclosure |
| IMPULSE WITHSTAND CURRENT | Partly surge-proof 250 A |
| NUMBER OF POLES | Four-pole |
| LEAKAGE CURRENT TYPE | AC |
| LIFESPAN, ELECTRICAL | 4000 operations |
| TYPE | <ul style="list-style-type: none"> • PF7 • Residual current circuit breakers • Type AC |
| SPECIAL FEATURES | <ul style="list-style-type: none"> • Maximum operating temperature is 60 °C: Starting at 40 °C, the max. permissible continuous current decreases by 2.5% for every 1 °C • Tripping signal contact for subsequent installation Z-NHK 248434 |
| APPLICATION | <ul style="list-style-type: none"> • Residual current circuit breaker for residential and commercial applications • xPole - Switchgear for residential and commercial applications |
| SENSITIVITY TYPE | AC current sensitive |
| RATED FAULT CURRENT - MAX | 0.3 A |
| RATED FAULT CURRENT - MIN | 0.3 A |
| RATED INSULATION VOLTAGE (UI) | 440 V |

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| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 40 A |
| RATED OPERATIONAL VOLTAGE (UE) - MAX | 400 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 | 4 |
| VOLTAGE TYPE | AC |
| TERMINAL CAPACITY (SOLID WIRE) | 1.5 mm ² - 35 mm ² |
| TRIPPING TIME | Non-delayed |
| RATED SHORT-CIRCUIT STRENGTH | 10 kA |
| TERMINAL CAPACITY (STRANDED CABLE) | 16 mm ² (2x) |
| RAL-NUMBER | 7035 |
| COLOR | Gray |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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