

Specyfikacje



Eaton 120937

Eaton Moeller® series PKZ-SOL String circuit-breaker, DC current, 2p, 12A

General specifications

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| PRODUCT NAME | Eaton Moeller® series PKZ-SOL String circuit-breaker |
| CATALOG NUMBER | 120937 |
| EAN | 4015081187676 |
| PRODUCT LENGTH/DEPTH | 93 mm |
| PRODUCT HEIGHT | 76 mm |
| PRODUCT WIDTH | 58 mm |
| PRODUCT WEIGHT | 0.308 kg |
| CERTIFICATIONS | IEC 60947-2 EN 60947-2 IEC/EN 60947-2 |
| MODEL CODE | PKZ-SOL12 |

Cechy i funkcje

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| ACTUATOR TYPE | Turn button |
| DESIGN | Open |
| FEATURES | Complete device with protection unit |
| NUMBER OF POLES | Two-pole |

Klimatyczne warunki środowiskowe

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| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| AMBIENT OPERATING TEMPERATURE - MAX | 60 °C |
| CLIMATIC PROOFING | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |

Parametry ogólne

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| APPLICATION | <ul style="list-style-type: none">• Open areas• Utility buildings |
| DEGREE OF PROTECTION | IP20 |
| MOUNTING METHOD | DIN rail (top hat rail) mounting optional Top-hat rail fixing (according to IEC/EN 60715, 35 mm) |
| OVERLOAD RELEASE CURRENT SETTING - MIN | 8 A |
| OVERLOAD RELEASE CURRENT SETTING - MAX | 12 A |
| PRODUCT CATEGORY | <ul style="list-style-type: none">• String circuit-breakers• Switchgear for photovoltaic systems |
| PROTECTION CLASS | 2 |
| SUITABLE FOR | DIN rail (top hat rail) mounting |

Pojemność zacisków

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| TERMINAL CAPACITY (FLEXIBLE WITH FERRULE) | 2 x (1 - 6) mm ² , ferrule to DIN 46228 1 x (1 - 6) mm ² , ferrule to DIN 46228 |
| TERMINAL CAPACITY (SOLID/STRANDED AWG) | 18 - 14 |

Elektryczna moc znamionowa

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| INTERNAL RESISTANCE | 31 mΩ |
| RATED OPERATIONAL CURRENT (IE) | 12 A at AC-21A |
| RATED OPERATIONAL VOLTAGE (UE) - MIN | 900 V |
| RATED OPERATIONAL VOLTAGE (UE) - MAX | 900 V |
| RATED UNINTERRUPTED CURRENT (IU) | 12 A |
| SHORT-CIRCUIT CURRENT | 5 - 9 A, Ics, Admissible short-circuit current for solar modules |
| SHORT-CIRCUIT RELEASE | 6 x Ie |

Styki

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| NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS) | 0 |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) | 0 |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) | 0 |

Weryfikacja projektu konstrukcji

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| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID | 4.5 W |
| HEAT DISSIPATION CAPACITY PDISS | 0 W |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID | 1.5 W |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 12 A |
| STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS | 0 W |
| 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. |
| 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. |

Do pobrania

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| CHARACTERISTIC CURVE | eaton-motorstarters-pkz-sol-string-circuit-breaker-characteristic-curve.eps |
| DEKLARACJE ZGODNOŚCI | DA-DC-00004069.pdf DA-DC-00004230.pdf |
| INSTRUKCJE MONTAŻU | IL03402020Z |
| MODELE ECAD | ETN.120937.edz |
| MODELE MCAD | DA-CD-p_sol20 DA-CS-p_sol20 |
| RYSUNKI | eaton-contactors-mounting-pkz-sol-string-circuit-breaker-dimensions.eps eaton-manual-motor-starters-mounting-pkz-sol-string-circuit-breaker-dimensions.eps eaton-manual-motor-starters-pkz-sol-string-circuit-breaker-3d-drawing.eps |

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| 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. |
| 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. |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



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