

Specyfikacje



Zdjęcie jest reprezentatywne



Eaton 109669

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 320A, busbar terminal for CU N, frame 3, A320

General specifications

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| PRODUCT NAME | Eaton Moeller series NZM molded case circuit breaker thermo-magnetic |
| CATALOG NUMBER | 109669 |
| EAN | 4015081092550 |
| PRODUCT LENGTH/DEPTH | 166 mm |
| PRODUCT HEIGHT | 275 mm |
| PRODUCT WIDTH | 140 mm |
| PRODUCT WEIGHT | 6.095 kg |
| COMPLIANCES | RoHS conform |
| CERTIFICATIONS | IEC IEC/EN 60947 |
| MODEL CODE | NZMN3-A320 |



Powering Business Worldwide

Elektryczne dane techniczne

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| VOLTAGE RATING | 690 V - 690 V |
| VOLTAGE RATING (DC) | 750 VDC |
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT AUXILIARY CONTACTS | 6000 V |
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT MAIN CONTACTS | 8000 V |
| RATED SHORT-TIME WITHSTAND CURRENT (T = 0.3 S) | 3.3 kA |
| RATED SHORT-TIME WITHSTAND CURRENT (T = 1 S) | 3.3 kA |
| AMPERAGE RATING | 320 A |
| INSTANTANEOUS CURRENT SETTING (II) - MIN | 1920 A |
| INSTANTANEOUS CURRENT SETTING (II) - MAX | 3200 A |
| OVERLOAD CURRENT SETTING (IR) - MIN | 250 A |
| OVERLOAD CURRENT SETTING (IR) - MAX | 320 A |
| SHORT DELAY CURRENT SETTING (ISD) - MIN | 0 A |
| SHORT DELAY CURRENT SETTING (ISD) - MAX | 0 A |
| SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN | 1920 A |
| SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX | 3200 A |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 230 V, 50/60 HZ | 85 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 400/415 V, 50/60 HZ | 50 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 440 V, | 35 kA |

Komunikacyjne dane techniczne

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| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT AUXILIARY CONTACTS | 6000 V |
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT MAIN CONTACTS | 8000 V |
| RATED SHORT-TIME WITHSTAND CURRENT (T = 0.3 S) | 3.3 kA |
| RATED SHORT-TIME WITHSTAND CURRENT (T = 1 S) | 3.3 kA |
| AMPERAGE RATING | 320 A |
| INSTANTANEOUS CURRENT SETTING (II) - MIN | 1920 A |
| INSTANTANEOUS CURRENT SETTING (II) - MAX | 3200 A |
| OVERLOAD CURRENT SETTING (IR) - MIN | 250 A |
| OVERLOAD CURRENT SETTING (IR) - MAX | 320 A |
| SHORT DELAY CURRENT SETTING (ISD) - MIN | 0 A |
| SHORT DELAY CURRENT SETTING (ISD) - MAX | 0 A |
| SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN | 1920 A |
| SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX | 3200 A |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 230 V, 50/60 HZ | 85 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 400/415 V, 50/60 HZ | 50 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 440 V, 50/60 HZ | 35 kA |
| RATED SHORT-CIRCUIT | 13 kA |

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| 50/60 HZ | |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 525 V, 50/60 HZ | 13 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 690 V, 50/60 HZ | 5 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 500 V DC | 30 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 750 V DC | 30 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 240 V, 50/60 HZ | 187 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 400/415 V, 50/60 HZ | 105 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 440 V, 50/60 HZ | 74 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ | 53 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ | 40 kA |
| SHORT-CIRCUIT TOTAL BREAKTIME | < 10 ms |
| ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT | Screw connection |
| ISOLATION | 300 V AC (between the auxiliary contacts) 500 V AC (between auxiliary contacts and main contacts) |
| NUMBER OF OPERATIONS PER HOUR - MAX | 60 |
| HANDLE TYPE | Rocker lever |
| UTILIZATION CATEGORY | A (IEC/EN 60947-2) |
| OVERVOLTAGE CATEGORY | III |
| POLLUTION DEGREE | 3 |

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| BREAKING CAPACITY ICS (IEC/EN 60947) AT 525 V, 50/60 HZ | |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 690 V, 50/60 HZ | 5 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 500 V DC | 30 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 750 V DC | 30 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 240 V, 50/60 HZ | 187 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 400/415 V, 50/60 HZ | 105 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 440 V, 50/60 HZ | 74 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 525 V, 50/60 HZ | 53 kA |
| RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ | 40 kA |
| SHORT-CIRCUIT TOTAL BREAKTIME | < 10 ms |
| ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT | Screw connection |
| ISOLATION | 300 V AC (between the auxiliary contacts) 500 V AC (between auxiliary contacts and main contacts) |
| NUMBER OF OPERATIONS PER HOUR - MAX | 60 |
| HANDLE TYPE | Rocker lever |
| UTILIZATION CATEGORY | A (IEC/EN 60947-2) |
| OVERVOLTAGE CATEGORY | III |
| POLLUTION DEGREE | 3 |
| LIFESPAN, ELECTRICAL | 2000 operations at 690 V |

LIFESPAN, ELECTRICAL

2000 operations at 690 V
AC-3
2000 operations at 500 V
DC-3
3000 operations at 690 V
AC-1
5000 operations at 750 V
DC-1
5000 operations at 415 V
AC-1
2000 operations at 415 V
AC-3
5000 operations at 400 V
AC-1
5000 operations at 500 V
DC-1
2000 operations at 750 V
DC-3
2000 operations at 400 V
AC-3

**DIRECTION OF
INCOMING SUPPLY**

As required

AC-3
2000 operations at 500 V
DC-3
3000 operations at 690 V
AC-1
5000 operations at 750 V
DC-1
5000 operations at 415 V
AC-1
2000 operations at 415 V
AC-3
5000 operations at 400 V
AC-1
5000 operations at 500 V
DC-1
2000 operations at 750 V
DC-3
2000 operations at 400 V
AC-3

**DIRECTION OF
INCOMING SUPPLY**

As required

Mechaniczne dane techniczne

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| MOUNTING METHOD | Fixed Built-in device fixed built-in technique |
| DEGREE OF PROTECTION | IP20 IP20 (basic degree of protection, in the operating controls area) |
| DEGREE OF PROTECTION (IP), FRONT SIDE | IP66 (with door coupling rotary handle) IP40 (with insulating surround) |
| DEGREE OF PROTECTION (TERMINATIONS) | IP00 (terminations, phase isolator and strip terminal) IP10 (tunnel terminal) |
| PROTECTION AGAINST DIRECT CONTACT | Finger and back-of-hand proof to DIN EN 50274/VDE 0106 part 110 |
| SHOCK RESISTANCE | 20 g (half-sinusoidal shock 20 ms) |
| NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS) | 0 |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) | 0 |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) | 0 |
| POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT | Front side |
| CLIMATIC PROOFING | Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 |
| LIFESPAN, MECHANICAL | 15000 operations |

Do pobrania

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| CHARACTERISTIC CURVE | eaton-circuit-breaker-nzm-mccb-characteristic-curve-031.eps eaton-circuit-breaker-nzm-mccb-characteristic-curve-034.eps eaton-circuit-breaker-tripping-characteristic-nzm-mccb-characteristic-curve.eps |
| DEKLARACJE ZGODNOŚCI | eaton-molded-case-circuit-breaker-declaration-of-conformity-eu250292en.pdf |
| INSTRUKCJE MONTAŻU | eaton-circuit-breaker-basic-device-nzmn-b-il01208009z.pdf |
| MODELE ECAD | ETN.109669.edz |
| MODELE MCAD | DA-CD-nzm3_3p DA-CS-nzm3_3p |
| PEP ECO-PASSPORT | eaton-molded-case-switches-pep-eato-00184-v0101-en.pdf |
| RYSUNKI | eaton-circuit-breaker-nzm-mccb-dimensions-020.eps eaton-circuit-breaker-switch-nzm-mccb-dimensions-016.eps |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



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