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Eaton 109970

Eaton Moeller series NZM Circuit-breaker 3 pole, 32A, motor protection

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| PRODUCT NAME | Eaton Moeller series NZM molded case circuit breaker thermo-magnetic |
| CATALOG NUMBER | 109970 |
| PRODUCT LENGTH/DEPTH | 149 mm |
| PRODUCT HEIGHT | 184 mm |
| PRODUCT WIDTH | 105 mm |
| PRODUCT WEIGHT | 2.345 kg |
| COMPLIANCES | RoHS conform |

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| AMPERAGE RATING | 32 A |
| VOLTAGE RATING | 690 V - 690 V |
| 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. |
| 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 | Meets the product |

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| CREEPAGE DISTANCES | 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. |
| MOUNTING METHOD | Built-in device fixed built-in technique |
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT | 9.65 W |
| AMBIENT OPERATING TEMPERATURE - MAX | 70 °C |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| AMBIENT STORAGE TEMPERATURE - MAX | 70 °C |
| AMBIENT STORAGE TEMPERATURE - MIN | -40 °C |
| RATED OPERATING POWER AT AC-3, 230 V | 7.5 kW |
| RATED OPERATING POWER AT AC-3, 400 V | 15 kW |
| SWITCH OFF TECHNIQUE | Thermomagnetic |
| DEGREE OF PROTECTION | IP20 |
| ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT | Screw connection |
| RATED OPERATIONAL CURRENT | 29.3 A (400 V AC-3) |
| NUMBER OF POLES | Three-pole |
| FUNCTIONS | Phase failure sensitive |
| SPECIAL FEATURES | <ul style="list-style-type: none"> • IEC/EN 60947-4-1, IEC/EN 60947-2 • The circuit-breaker |

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| | fulfills all requirements for AC-3 switching category. <ul style="list-style-type: none">Rated current = rated uninterrupted current: 32 ATripping class 10 A |
| SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX | 350 A |
| SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN | 350 A |
| HANDLE TYPE | Rocker lever |
| INSTANTANEOUS CURRENT SETTING (II) - MAX | 350 A |
| INSTANTANEOUS CURRENT SETTING (II) - MIN | 350 A |
| OVERLOAD CURRENT SETTING (IR) - MAX | 32 A |
| OVERLOAD CURRENT SETTING (IR) - MIN | 25 A |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICS (IEC/EN 60947) AT 400/415 V, 50/60 HZ | 150 kA |
| RATED SHORT-CIRCUIT BREAKING CAPACITY ICU (IEC/EN 60947) AT 400/415 V, 50/60 HZ | 150 kA |

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