

DIGITAL NZM MOLDED CASE CIRCUIT BREAKER

285602



Overview

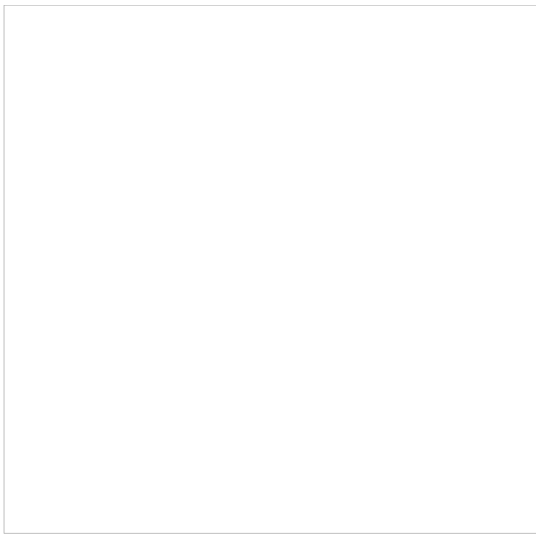


Specifications



Resources

Technical



285602

Eaton Moeller series NZM - Molded Case Circuit Breaker for earth-leakage circuit-breaker inner diameter 105mm

Contact me about this product

Photo is representative

Designed to work together

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111987

Eaton Moeller series Power Defense - Molded Case Circuit Breaker. Circuit-breaker, 4 p, 1000A, 630A, in 4th pole

191477

NZMH4-4-AX1250. NZM4 PXR10 circuit breaker, 1250A, 4p, screw terminal

189678

NZMH4-4-PX1000/VAR-TAZ-AVE. NZM4 PXR25 circuit breaker - integrated energy measurement class 1, 1000A, 4p, variable, Screw terminal, earth-fault protection, ARMS and zone selectivity, withdrawable unit

189655

NZMN4-4-PX1600/VAR-TAZ. NZM4 PXR25 circuit breaker - integrated energy measurement class 1, 1600A, 4p, Screw terminal, earth-fault protection, ARMS and zone selectivity

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GENERAL SPECIFICATIONS

| | | | |
|------------------------|---|-----------------------------|----------------------------------|
| General specifications | > | PRODUCT NAME | Eaton Moeller series NZM release |
| | | CATALOG NUMBER | 285602 |
| Product specifications | > | MODEL CODE | PFR-W-105 |
| | | EAN | 4015082856021 |
| | | PRODUCT LENGTH/DEPTH | 190 mm |
| | | PRODUCT HEIGHT | 45 mm |
| | | PRODUCT WIDTH | 172 mm |
| | | PRODUCT WEIGHT | 0.402 kg |
| | | COMPLIANCES | RoHS conform |
| | | CERTIFICATIONS | IEC |

PRODUCT SPECIFICATIONS

| | |
|---|---|
| 10.11 SHORT-CIRCUIT RATING | Is the panel builder's responsibility. The specifications must be observed. |
| FRAME | NZM1/2/3/4 |
| POWER ON-DELAY TIME - MIN | 0 ms |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN | 0 V |
| 10.4 CLEARANCES AND CREEPAGE DISTANCES | Meets the product standard's requirements. |
| 10.12 ELECTROMAGNETIC COMPATIBILITY | Is the panel builder's responsibility. The specifications must be observed. |
| MOUNTING METHOD | Incl. fixing clip for DIN-rail mounting |
| TRANSFORMER OPENING DIAMETER | 105 mm |
| 10.2.5 LIFTING | Does not apply, since the entire switchgear needs to be lifted. |
| RATED FAULT CURRENT - MAX | 0 A |
| 10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES | Meets the product standard's requirements. |
| RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN | 0 V |
| 10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT | Meets the product standard's requirements. |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX | 0 V |

| | |
|---|---|
| 10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS | Meets the product standard's requirements. |
| 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS | Is the panel builder's responsibility. |
| VOLTAGE RATING | 690 V AC 50/60 Hz |
| 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH | Is the panel builder's responsibility. |
| SPECIAL FEATURES | <ul style="list-style-type: none"> • In combination with PFR residual current relay • not UL/CSA approved |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN | 0 V |
| 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS | Is the panel builder's responsibility. |
| POWER ON-DELAY TIME - MAX | 0 ms |
| 10.10 TEMPERATURE RISE | The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device. |
| RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX | 0 V |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE | Is the panel builder's responsibility. |
| TYPE | <ul style="list-style-type: none"> • Accessory • Earth-fault releases, transformer • Voltage release |
| 10.2.2 CORROSION RESISTANCE | Meets the product standard's requirements. |
| 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS | Does not apply, since the entire switchgear needs to be tested. |
| 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION | Meets the product standard's requirements. |
| 10.2.7 INSCRIPTIONS | Meets the product standard's requirements. |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK | Does not apply, since the entire switchgear needs to be tested. |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX | 0 V |
| RATED OPERATING VOLTAGE (UE) - MAX | 0 V |
| VOLTAGE RATING OF RELAY CONTACT | 690 V (50/60 Hz) |
| 10.13 MECHANICAL FUNCTION | The device meets the requirements, provided the installation instruction leaflet (IL) is observed. |
| 10.2.6 MECHANICAL IMPACT | Does not apply, since the entire switchgear needs to be tested. |
| 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL | Is the panel builder's responsibility. |
| RATED FAULT CURRENT - MIN | 0 A |
| 10.3 DEGREE OF PROTECTION OF ASSEMBLIES | Does not apply, since the entire switchgear needs to be tested. |

Brochures

Catalogs

Certification reports

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Technical data sheets



Technical support

285602



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are

guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.