

Specifications



Eaton 189815

Eaton Moeller series NZM - Molded Case Circuit Breaker. Shunt release for NZM2/3, 1 early-make auxiliary contact, 2NO, 208-250AC/DC, Push-in terminals

General specifications

PRODUCT NAME	Eaton Moeller series NZM - Molded case circuit breaker
CATALOG NUMBER	189815
MODEL CODE	NKM2/3-XAHV208- 250AC/DC-PI
EAN	4015081878109
PRODUCT LENGTH/DEPTH	115 mm
PRODUCT HEIGHT	65 mm
PRODUCT WIDTH	75 mm
PRODUCT WEIGHT	0.08 kg
COMPLIANCES	UL/CSA IEC RoHS conform



Powering Business Worldwide

Delivery programme

FITTED WITH: Early-make auxiliary contact

FRAME NZM2/3

SPECIAL FEATURES

- When the shunt release is live, contact with the circuit-breaker's main contacts on switching on is reliably prevented.
- Early-make of auxiliary contacts on switching on and off (manual operation): approx. 20 ms (NZM2/3) and 90 ms (NZM4).
- Shunt release modules cannot be installed simultaneously with early-make contact NZM...-XHIV, undervoltage release NZM...-XU..., relais modules NZM...-X2A..., or remote operator NZM...-XR...

SUITABLE FOR

Motor safety switch
Off-load switch

TYPE

- Accessory
- Shunt release

USED WITH

NZM3(-4), N(S)3(-4)
NZM2(-4), N(S)2(-4)

Design verification to IEC/EN 61439

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 CREEPAGE DISTANCES

Meets the product standard's requirements.

10.5 PROTECTION

Does not apply, since the

Technical data - electrical

ELECTRIC CONNECTION TYPE Spring clamp connection

RATED CONTROL SUPPLY VOLTAGE 208 - 250 V AC/DC

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX 250 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN 208 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX 250 V

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN 208 V

RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX 250 V

RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN 208 V

VOLTAGE TYPE AC/DC

AGAINST ELECTRIC SHOCK

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.

Technical data - mechanical

CONNECTION TYPE With push in terminal

NUMBER OF CONTACTS (CHANGE-OVER CONTACTS) 0

NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) 0

NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS) 1

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XU..., relais
modules NZM...-
X2A..., or remote
operator NZM...-
XR...

Resources

BROCHURES	eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf
	eaton-digital-nzm-brochure-br013003en-en-us.pdf
CATALOGUES	eaton-digital-nzm-catalog-ca013003en-en-us.pdf
INSTALLATION INSTRUCTIONS	eaton-circuit-breaker-voltage-release-nzm2-3-il012141zu.pdf
INSTALLATION VIDEOS	The new digital NZM Range
	Introduction of the new digital circuit breaker NZM
MCAD MODEL	eaton-int-tripping-acc-mcad-3d-models-nzm2-3-xua.stp
	eaton-int-tripping-acc-mcad-drawings-nzm2-3-xua.dwg
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet
WIRING DIAGRAMS	123S018

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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