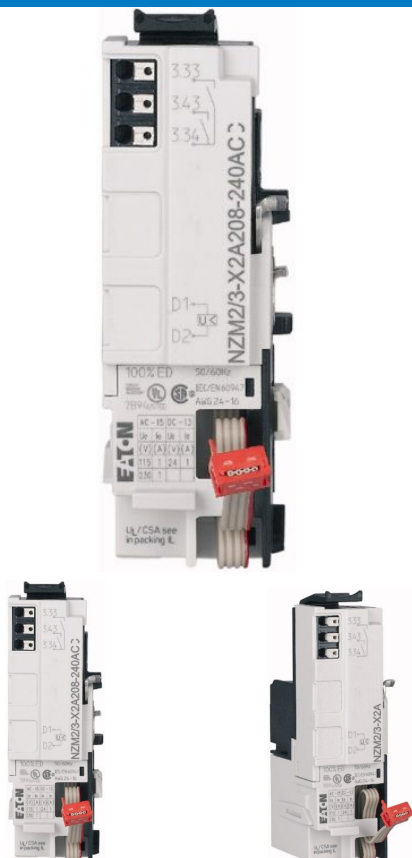


Specifications



Eaton 189722

Eaton Moeller series NZM Relay module for NZM2/3, configurable, 2NO, 24DC, 24-230AC, PI

General specifications

PRODUCT NAME	Eaton Moeller series NZM Relay module
CATALOG NUMBER	189722
MODEL CODE	NZM2/3-X2A
EAN	4015081877171
PRODUCT LENGTH/DEPTH	115 mm
PRODUCT HEIGHT	65 mm
PRODUCT WIDTH	75 mm
PRODUCT WEIGHT	0.06 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	UL listed CSA (Class No. 1437-01) CSA certified UL (Category Control Number DIHS) CE marking UL (File No. E140305) IEC60947 UL489 CSA-C22.2 No. 5-09 CSA (File No. 22086)

Delivery programme

ACCESSORY/SPARE PART TYPE

Relay module
Other
Accessory

FRAME

NZM2/3

SPECIAL FEATURES

- For signaling commands or different states of the circuit-breaker.
- Two relays per unit.
- The activation criteria can be configured in the trip unit.
- Configuration via communication or circuit breaker display or front USB port and Eaton Power Xpert Protection Manager.
- Only for use in combination with circuit-breakers with electronic trips.
- Relay components cannot be installed simultaneously with make-before-break auxiliary breaker NZM...-XHIV, the under-voltage trip NZM...-XU.... or the shunt trip NZM...-XA....
- Relay contacts for control wiring.
- Relays can be used for controlling remote operator with $U_s=208-204\text{ V AC}$.
- Control wiring on push-in clamps.

TYPE

Relay module

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

OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
RATED CONTROL VOLTAGE (RELAY CONTACTS)	24 V AC 24 V DC 240 V AC
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV AC
RATED INSULATION VOLTAGE (UI)	250 V
RATED OPERATIONAL CURRENT	1 A (230 V AC-1, relay contacts) 1 A (24 V DC-1, relay outputs) 1 A (24 V AC-1, relay contacts) 1 A (110 V AC-1, relay contacts)
SWITCHING CAPACITY (REFERENCE VALUE) - MIN	0.1 mA / 0.1 VDC

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 RELAYS	2

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- trip NZM...-XA....
- Relay contacts for control wiring.
- Relays can be used for controlling remote operator with $U_s=208-204$ V AC.
- Control wiring on push-in clamps.

Technical data - mechanical - terminals

TERMINAL CAPACITY (SOLID CABLE)	0.2 mm ² - 1.5 mm ² (1x) at supply connection
TERMINAL CAPACITY (STRANDED CABLE)	0.25 mm ² - 0.75 mm ² (1x) at supply connection (uninsulated ferrule according to DIN46224 / 1)
	0.25 mm ² - 1.5 mm ² (1x) at supply connection (insulated ferrule according to DIN46224 / 4)
	0.25 mm ² - 1.5 mm ² (1x) at supply connection 24 - 16 AWG (1x) at relay contacts

STRIP LENGTH	8 mm (supply connection)
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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
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet
WIRING DIAGRAMS	eaton-circuit-breaker-nzm-mccb-wiring-diagram-002.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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