

Specifications



Eaton 266448

Eaton Moeller series NZM Shunt release, 48VAC/DC, for NZM4

General specifications

PRODUCT NAME	Eaton Moeller series NZM Shunt release
CATALOG NUMBER	266448
MODEL CODE	NZM4-XA48AC/DC
EAN	4015082664480
PRODUCT LENGTH/DEPTH	107 mm
PRODUCT HEIGHT	51 mm
PRODUCT WIDTH	64 mm
PRODUCT WEIGHT	0.218 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	CE marking IEC60947 CSA-C22.2 No. 5-09 CSA certified CSA (File No. 22086) CSA (Class No. 1437-01) UL (File No. E140305) UL489 UL (Category Control Number DIHS) UL listed

Product specifications

USED WITH	NZM4(-4), N(S)4(-4)
VOLTAGE RATING	0.7 - 1.1 x Us
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	Does not apply, since the

Resources

BROCHURES

[eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf](#)

CATALOGUES

[eaton-digital-nzm-catalog-ca013003en-en-us.pdf](#)

DRAWINGS

[eaton-circuit-breaker-auxiliary-contact-nzm-shunt-release-3d-drawing.eps](#)

ECAD MODEL

[DA-CE-ETN.NZM4-XA48AC_DC](#)

INSTALLATION INSTRUCTIONS

[eaton-circuit-breaker-voltage-release-nzm4-il01210005z.pdf](#)

INSTALLATION VIDEOS

[eaton-circuit-breaker-voltage-release-nzm4-il012143zu.pdf](#)

[The new digital NZM Range](#)

[Introduction of the new digital circuit breaker NZM](#)

TECHNICAL DATA SHEETS

[eaton-nzm-technical-information-sheet](#)

PROTECTION OF ASSEMBLIES	entire switchgear needs to be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product 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.
ELECTRIC CONNECTION TYPE	Screw connection
FRAME	NZM4
FREQUENCY RATING	50 Hz / 60 Hz / 200 Hz / 400 Hz, DC (shunt release)
MINIMUM COMMAND TIME - MAX	15 ms
MINIMUM COMMAND TIME - MIN	10 ms
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0
REACTION TIME	22 ms
PICK-UP POWER CONSUMPTION (SHUNT RELEASE)	2.5 VA/W
RATED CONTROL SUPPLY VOLTAGE	48 V AC/DC
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	48 V
RATED CONTROL SUPPLY	48 V

VOLTAGE (US) AT AC, 60**Hz - Max****RATED CONTROL SUPPLY****VOLTAGE (US) AT AC, 60** 48 V**Hz - Min****SUITABLE FOR** Off-load switch**CONNECTION TYPE** With bolt connection**VOLTAGE TYPE** AC/DC

TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)

0.75 mm² - 2.5 mm² (1x) at shunt release with ferrule
 18 - 14 AWG (1x) at shunt release
 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed with ferrule
 0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed with ferrule
 18 - 14 AWG (2x) at shunt release
 0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule
 18 - 14 AWG (1x) for undervoltage releases, off-delayed
 18 - 14 AWG (2x) for undervoltage releases, off-delayed

TYPE

- Accessory
- Shunt release

SPECIAL FEATURES

- Switches are tripped by a voltage pulse or by the application of uninterrupted voltage.
- If the shunt trip is live, contact with the circuit breaker's primary contacts is prevented when switched on.
- Shunt releases cannot be installed simultaneously with NZM...-XHIV... early-make auxiliary contact or NZM...-XU... undervoltage release.

RATED CONTROL SUPPLY**VOLTAGE (US) AT DC -** 48 V**MAX**

RATED CONTROL SUPPLY**VOLTAGE (US) AT DC -** 48 V**MIN**

VOLTAGE RATING AT AC**(X US) - MAX** 1.1

VOLTAGE RATING AT AC**(X US) - MIN** .7

NUMBER OF CONTACTS**(NORMALLY CLOSED
CONTACTS)** 0

NUMBER OF CONTACTS**(CHANGE-OVER
CONTACTS)** 0

UNDELAYED SHORT-**CIRCUIT RELEASE - MIN** 0 A

UNDELAYED SHORT-**CIRCUIT RELEASE - MAX** 0 A

TIME ON DUTY - MAX

∞

RATED CONTROL**VOLTAGE (RELAY
CONTACTS)** 48 V DC
48 V AC

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:**Eaton Corporation plc**

Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

