

Specifications



Photo is representative

Eaton 259585

Eaton Moeller series NZM Undervoltage release, 48VAC, +2early N/O, for NZM2/3

General specifications

PRODUCT NAME	Eaton Moeller series NZM Undervoltage release
CATALOG NUMBER	259585
MODEL CODE	NZM2/3-XUHV48AC
EAN	4015082595852
PRODUCT LENGTH/DEPTH	42 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.074 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	CE marking UL listed CSA certified UL489 UL (Category Control Number DIHS) CSA-C22.2 No. 5-09 UL (File No. E140305) IEC60947 CSA (Class No. 1437-01) CSA (File No. 22086)
GLOBAL CATALOG	259585

Product specifications

USED WITH	NZM3(-4), N(S)3(-4) NZM2(-4), N(S)2(-4)
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](#)

[eaton-digital-nzm-brochure-br013003en-en-us.pdf](#)

CATALOGS

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

ECAD MODEL

[DA-CE-ETN.NZM2_3-XUHV48AC](#)

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](#)

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
FITTED WITH:	Two early-make auxiliary contacts
FRAME	NZM2/3
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
RATED CONTROL SUPPLY VOLTAGE	48 V 50/60 Hz
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 VOLTAGE (US) AT AC, 60 HZ - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	48 V
SUITABLE FOR	Off-load switch
CONNECTION TYPE	With bolt connection
VOLTAGE TYPE	AC

TYPE	Accessory Undervoltage release Undervoltage release with early-make auxiliary contact
SPECIAL FEATURES	<p>Undervoltage release with 2 early-make auxiliary contacts, e.g., for early-make connection of undervoltage release in main switch applications, as well as for interlock and load shedding circuits. For use with emergency-stop devices in connection with an emergency-stop button. When the undervoltage trip is switched off, accidental contact with the circuit breaker's primary contacts is prevented when switched on. Early make of auxiliary contacts on switching on and off (manual operation): approx. 20 ms</p> <p>Undervoltage releases cannot be installed simultaneously with NZM...-XHIV... early-make auxiliary contact or NZM...-XA... shunt release. Cannot be used in conjunction with NZM...-XR... remote operator.</p>
RATED CONTROL SUPPLY	
VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY	
VOLTAGE (US) AT DC - MIN	0 V
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

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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