

Specifications



Photo is representative

Eaton 259842

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 220-250VAC, for size 2

General specifications

PRODUCT NAME	Eaton Moeller series NZM remote operator
CATALOG NUMBER	259842
MODEL CODE	NZM2-XR220-250DC
EAN	4015082598426
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	105 mm
PRODUCT WIDTH	105 mm
PRODUCT WEIGHT	1.728 kg
COMPLIANCES	IEC UL/CSA RoHS conform
CERTIFICATIONS	CSA (Class No. 1437-01) IEC60947 CSA certified UL (File No. E140305) CE marking CSA-C22.2 No. 5-09 UL (Category Control Number DIHS) UL listed CSA (File No. 22086) UL489
GLOBAL CATALOG	259842

Product specifications

USED WITH	N(S)2(-4) NZM2(-4)
VOLTAGE RATING	220 - 250 V DC
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.

Resources

BROCHURES

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

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

CATALOGS

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

DECLARATIONS OF CONFORMITY

[eaton-accessories-declaration-of-conformity-eu250143en.pdf](#)

DRAWINGS

[eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps](#)

[eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions-002.eps](#)

[eaton-circuit-breaker-remote-operator-nzm-remote-operator-3d-drawing.eps](#)

ECAD MODEL

[ETN.259842.edz](#)

INSTALLATION INSTRUCTIONS

[eaton-circuit-breakers-remote-operator-nzm2-xr-il01206002z.pdf](#)

INSTALLATION VIDEOS

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

[The new digital NZM Range](#)

MCAD MODEL

[DA-CS-nzm2_xr](#)

[DA-CD-nzm2_xr](#)

TECHNICAL DATA SHEETS

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

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 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.
FRAME	NZM2
BREAKING TIME	300 ms
CLOSING DELAY	60 ms
VOLTAGE TYPE	DC
LIFESPAN, MECHANICAL	20000 operations
NUMBER OF POLES	Three-pole/Four-pole
NUMBER OF OPERATIONS PER HOUR - MAX	120
VOLTAGE TOLERANCE - MAX	1.1
VOLTAGE TOLERANCE - MIN	.85
RATED CONTROL SUPPLY	
VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY	
VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
RATED CONTROL SUPPLY	
VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY	
VOLTAGE (US) AT AC, 60	0 V

Hz - Min**RATED CONTROL SUPPLY**

VOLTAGE (US) AT DC - 250 V
MAX

RATED CONTROL SUPPLY

VOLTAGE (US) AT DC - 220 V
MIN

SIGNAL DURATION OF

REMOTE OPERATOR AT 150 ms
SWITCH OFF - MIN

SIGNAL DURATION OF

REMOTE OPERATOR AT 30 ms
SWITCH ON - MIN

SWITCH DRIVE TYPE Motor drive

TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR) 0.75 mm² - 2.5 mm² with ferrule
18 - 14 AWG

TYPE Accessory Remote operator, can be synchronized

SPECIAL FEATURES Cannot be combined with switch-disconnector PN...
Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD

OPERATING VOLTAGE - MAX 1.1 x Us

OPERATING VOLTAGE - MIN 0.85 x Us

POWER CONSUMPTION 250 W (24 - 30 V DC)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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