

Specifications



Photo is representative

Eaton 259858

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 110-130VDC, for size 3

General specifications

PRODUCT NAME	Eaton Moeller series NZM remote operator
CATALOG NUMBER	259858
MODEL CODE	NZM3-XR110-130DC
EAN	4015082598587
PRODUCT LENGTH/DEPTH	170 mm
PRODUCT HEIGHT	140 mm
PRODUCT WIDTH	140 mm
PRODUCT WEIGHT	2.8 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	UL489 IEC60947 UL (Category Control Number DIHS) CSA (File No. 22086) CE marking CSA certified CSA (Class No. 1437-01) CSA-C22.2 No. 5-09 UL (File No. E140305) UL listed
GLOBAL CATALOG	259858

Product specifications

USED WITH	NZM3(-4) N(S)3(-4)
VOLTAGE RATING	110 - 130 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-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
DECLARATIONS OF CONFORMITY	eaton-accessories-declaration-of-conformity-eu250142en.pdf
DRAWINGS	eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions-004.eps
ECAD MODEL	ETN.259858.edz
INSTALLATION INSTRUCTIONS	eaton-remote-operator-nzm3-xr-il01208006z.pdf
INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM The new digital NZM Range
MCAD MODEL	DA-CS-nzm3_xr DA-CD-nzm3_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	NZM3
BREAKING TIME	1000 ms
CLOSING DELAY	80 ms
VOLTAGE TYPE	DC
LIFESPAN, MECHANICAL	15000 operations
NUMBER OF POLES	Three-pole/Four-pole
NUMBER OF OPERATIONS PER HOUR - MAX	60
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 - MAX	130 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	110 V
SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH OFF - MIN	250 ms
SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH ON - MIN	30 ms
SWITCH DRIVE TYPE	Motor drive
TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)	0.75 mm ² - 2.5 mm ² with ferrule 18 - 14 AWG
TYPE	• Accessory • Remote operator, can be synchronized
SPECIAL FEATURES	• Cannot be combined with switch-disconnector PN... • M22-CK11(20/02) dual auxiliary switch cannot be combined with NZM3-XR... remote operator
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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