Specifications



Photo is representative

Eaton 259832

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 208-240VAC, for size 2

General specifications	
PRODUCT NAME	Eaton Moeller series NZM remote operator
CATALOG NUMBER	259832
MODEL CODE	NZM2-XR208-240AC
EAN	4015082598327
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	105 mm
PRODUCT WIDTH	105 mm
PRODUCT WEIGHT	1.833 kg
COMPLIANCES	IEC UL/CSA RoHS conform
CERTIFICATIONS	UL489 CSA (File No. 22086) UL (Category Control Number DIHS) CSA-C22.2 No. 5-09 UL listed CSA (Class No. 1437-01) CSA certified UL (File No. E140305) CE marking IEC60947

Delivery program

FRAME	NZM2
NUMBER OF POLES	Three-pole/Four-pole
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
TYPE	• Accessory • Remote operator, can be synchronized
USED WITH	N(S)2(-4) NZM2(-4)

Design verification as per 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 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.

Technical data - electrical

BREAKING TIME	300 ms
CLOSING DELAY	60 ms
NUMBER OF OPERATIONS PER HOUR - MAX	120
OPERATING VOLTAGE - MAX	1.1 x Us
OPERATING VOLTAGE - MIN	0.85 x Us
POWER CONSUMPTION	350 VA (110 - 130 V AC)
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	208 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	208 V
RATED OPERATING FREQUENCY	50 Hz
SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH OFF - MIN	150 ms
SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH ON - MIN	30 ms
VOLTAGE RATING	208 - 240 V 50/60 Hz
VOLTAGE TOLERANCE - MAX	1.1
VOLTAGE TOLERANCE - MIN	0.85
VOLTAGE TYPE	AC

Technical data - mechanical

LIFESPAN, MECHANICAL	20000 operations
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
SWITCH DRIVE TYPE	Motor drive

Technical data - mechanical - terminals

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

Resources

BROCHURES	eaton-digital-nzm-brochure-br013003en-en-us.pdf eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf

CATALOGUES	eaton-digital-nzm-catalog-ca013003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-accessories-declaration-of-conformity-uk251459en.pdf eaton-accessories-declaration-of-conformity-eu250143en.pdf
DRAWINGS	eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions-002.eps eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps eaton-circuit-breaker-remote-operator-nzm-remote-operator-3d-drawing.eps
ECAD MODEL	ETN.259832.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
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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