

Specifications



Photo is representative

Eaton 115393

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 24-30VDC, standard

General specifications

PRODUCT NAME	Eaton Moeller series NZM remote operator
CATALOG NUMBER	115393
MODEL CODE	NZM2-XRD24-30DC
EAN	4015081151257
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	105 mm
PRODUCT WIDTH	105 mm
PRODUCT WEIGHT	1.25 kg
COMPLIANCES	IEC UL/CSA RoHS conform
CERTIFICATIONS	UL (File No. E140305) CE marking UL listed CSA-C22.2 No. 5-09 CSA (Class No. 1437-01) UL489 CSA (File No. 22086) IEC60947 UL (Category Control Number DIHS) CSA certified



Powering Business Worldwide

Delivery programme

FRAME	NZM2
NUMBER OF POLES	Three-pole/Four-pole
SPECIAL FEATURES	• Sliding switch for "Auto" or "Manual" • Max. number auxiliary contacts: 2 standard auxiliary contacts, 1 trip-indicating auxiliary switches • Cannot be combined with switch-disconnector PN... • Cannot be combined with mechanical interlock • Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD
TYPE	• Accessory • Remote operator, standard
USED WITH	NZM2(-4) N(S)2(-4)

Design verification to 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	Does not apply, since the

AGAINST ELECTRIC SHOCK	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	110 ms - 170 ms
CLOSING DELAY	110 ms - 170 ms
NUMBER OF OPERATIONS PER HOUR - MAX	120
OPERATING VOLTAGE - MAX	1.1 x Us
OPERATING VOLTAGE - MIN	0.85 x Us
POWER CONSUMPTION	450 W (24 - 30 V DC)
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	30 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	24 V
SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH OFF - MIN	100 ms
SIGNAL DURATION OF REMOTE OPERATOR AT SWITCH ON - MIN	100 ms
VOLTAGE RATING	24 - 30 V DC
VOLTAGE TOLERANCE - MAX	1.1
VOLTAGE TOLERANCE - MIN	0.85
VOLTAGE TYPE	DC

Technical data - mechanical

LIFESPAN, MECHANICAL	20000 operations
SPECIAL FEATURES	• Sliding switch for "Auto" or "Manual" • Max. number auxiliary contacts: 2 standard auxiliary contacts, 1 trip-indicating auxiliary switches • Cannot be combined with switch-disconnector PN... • Cannot be combined with mechanical interlock • 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)	18 - 14 AWG 0.75 mm ² - 2.5 mm ² with ferrule
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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-padlock-nzm-rotary-handle-dimensions.eps eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions.eps
ECAD MODEL	ETN.115393.edz
INSTALLATION INSTRUCTIONS	eaton-remote-operation-directly-nzm2-xrd-il01219025z.pdf
INSTALLATION VIDEOS	The new digital NZM Range Introduction of the new digital circuit breaker NZM
MCAD MODEL	eaton-remote-operators-mcad-drawings-nzm2-xr.dwg DA-CS-nzm2_xr
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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