

Specifications



Photo is representative



Eaton 259850

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 208-240VAC, for size 3

General specifications

PRODUCT NAME	Eaton Moeller series NZM remote operator
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CATALOG NUMBER	259850
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MODEL CODE	NZM3-XR208-240AC
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EAN	4015082598501
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PRODUCT LENGTH/DEPTH	170 mm
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PRODUCT HEIGHT	140 mm
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PRODUCT WIDTH	140 mm
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PRODUCT WEIGHT	3.155 kg
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COMPLIANCES	UL/CSA IEC RoHS conform
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CERTIFICATIONS	CSA (File No. 22086) CE marking CSA (Class No. 1437-01) UL (File No. E140305) UL489 IEC60947 UL listed CSA certified CSA-C22.2 No. 5-09 UL (Category Control Number DIHS)
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Delivery programme

FRAME	NZM3
NUMBER OF POLES	Three-pole/Four-pole
SPECIAL FEATURES	• Cannot be combined with switch-disconnector PN... • M22-CK11(20/02) dual auxiliary switch cannot be combined with NZM3-XR... remote operator
TYPE	• Accessory • Remote operator, can be synchronized
USED WITH	NZM3(-4) N(S)3(-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	1000 ms
CLOSING DELAY	80 ms
NUMBER OF OPERATIONS PER HOUR - MAX	60
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	250 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 - terminals

TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)	18 - 14 AWG 0.75 mm ² - 2.5 mm ² with ferrule
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Technical data - mechanical

LIFESPAN, MECHANICAL	15000 operations
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SPECIAL FEATURES	• Cannot be combined with switch-disconnector PN... • M22-CK11(20/02) dual auxiliary switch cannot be combined with NZM3-XR... remote operator
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SWITCH DRIVE TYPE	Motor drive
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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-eu250142en.pdf eaton-accessories-declaration-of-conformity-uk251456en.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.259850.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 eaton-remote-operators-mcad-drawings-nzm3-xr.dwg
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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