

Specifications



Photo is representative

Eaton 271451

Eaton Moeller series NZM - Molded Case Circuit Breaker. Door coupling rotary handle red-yellow, size 3, NA type

General specifications

PRODUCT NAME	Eaton Moeller series NZM operating element NA
CATALOG NUMBER	271451
MODEL CODE	NZM3-XTVDVR-NA
EAN	4015082714512
PRODUCT LENGTH/DEPTH	100 mm
PRODUCT HEIGHT	230 mm
PRODUCT WIDTH	120 mm
PRODUCT WEIGHT	1.454 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	UL (Category Control Number DIHS) CSA-C22.2 No. 5-09 IEC60947 CSA (File No. 22086) UL (File No. E140305) CE marking UL listed CSA certified CSA (Class No. 1437-01) UL489

Delivery programme

FEATURES	Red-yellow for emergency switching off Lockable
FITTED WITH:	Padlock
FRAME	NZM3
SPECIAL FEATURES	• Complete including rotary drive and coupling parts • Extension shaft additionally required. • Cannot be combined with mechanical interlock • External warning plate/designation label can be clipped on. • Door coupling rotary handle for operating the switch through a closed control panel door
SUITABLE FOR	Power circuit breaker Switch disconnecter Emergency stop
TYPE	• Accessory • Door coupling rotary handle
USED WITH	NZM3, N(S)3

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 - mechanical

COLOR	Red
COVER/DOOR TYPE	Door interlock not defeated in the locked OFF position. Door opens only with active rotation beyond the 0 position
DEGREE OF PROTECTION / NEMA ENCLOSURE TYPE	IP66 4X. 12
LOCK NUMBER	Double lockable
LOCKING FACILITY	Lockable on the handle on the switch using up to 3 padlocks With door interlock
SPECIAL FEATURES	• Complete including rotary drive and coupling parts • Extension shaft additionally required. • Cannot be combined with mechanical interlock • External warning plate/designation label can be clipped on. • Door coupling rotary handle for operating the switch through a closed control panel door

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 eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps eaton-circuit-breaker-door-nzm-rotary-handle-dimensions-003.eps eaton-circuit-breaker-door-nzm-rotary-handle-dimensions-006.eps eaton-circuit-breaker-door-nzm-rotary-handle-3d-drawing-004.eps
DRAWINGS	
INSTALLATION INSTRUCTIONS	IL01208007Z
INSTALLATION VIDEOS	The new digital NZM Range Introduction of the new digital circuit breaker NZM
MCAD MODEL	eaton-handle-mechanisms-mcad-3d-models-nzm3-xtvd.stp eaton-handle-mechanisms-mcad-drawings-nzm3-xtvd.dwg
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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