Specifications



Photo is representative

Eaton 289809

Eaton Moeller series NZM - Molded Case Circuit Breaker. Main switch assembly kit, handle red, on the right side

General specifications	
PRODUCT NAME	Eaton Moeller series NZM operating element
CATALOG NUMBER	289809
MODEL CODE	NZM4-XSR-R
EAN	4015082898090
PRODUCT LENGTH/DEPTH	250 mm
PRODUCT HEIGHT	165 mm
PRODUCT WIDTH	165 mm
PRODUCT WEIGHT	2.715 kg
COMPLIANCES	IEC UL/CSA RoHS conform
CERTIFICATIONS	UL listed CSA (File No. 22086) CSA (Class No. 1437-01) UL489 IEC60947 UL (File No. E140305) CSA certified UL (Category Control Number DIHS) CSA-C22.2 No. 5-09 CE marking
GLOBAL CATALOG	289809



Product specification	S
USED WITH	N(S)4(-4) NZM4(-4)
FEATURES	Actuation of the switch on the control panel side wall Lockable Red-yellow for emergency switching off Switch mounting on mounting plate
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.

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
DRAWINGS	eaton-circuit-breaker- switch-nzm-mccb- dimensions-004.eps
INSTALLATION INSTRUCTIONS	eaton-circuit-breaker-side- wall-actuator-nzm4- il01219029z.pdf
INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM The new digital NZM Range
MCAD MODEL	DA-CS-nzm4 xs r r DA-CD-nzm4 xs r r
TECHNICAL DATA SHEETS	eaton-nzm-technical- information-sheet

10.2.6 MECHANICAL IMPACT 10.2.7 INSCRIPTIONS Meets the product standard's requirements. 10.3 DEGREE OF PROTECTION OF ASSEMBLIES 10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION Does not apply, since the entire switchgear needs to be evaluated. 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE Is the panel builder's responsibility. 10.9.4 TESTING OF INSULATING MATERIAL COLOR FILTED WITH: Black External warning plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME NZM4 ACTIVATION TYPE COVER/DOOR TYPE TYPE Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel		
10.3 DEGREE OF PROTECTION OF ASSEMBLIES 10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS 10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL COLOR Black External warning plate/marking plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME ACTIVATION TYPE COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel Dose not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. A the panel builder's responsibility. A the panel builder's responsibility. Is the panel builder's responsibili		entire switchgear needs to
PROTECTION OF ASSEMBLIES 10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE IS the panel builder's responsibility. 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL COLOR Black FITTED WITH: FITTED WITH: SUITABLE FOR PAGION OF SWITCHION TYPE COVER/DOOR TYPE POSS not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Step and pull der's responsibility. Is the panel builder's responsibility. Black External warning plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME NZM4 ACTIVATION TYPE Actuation on the right Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel	10.2.7 INSCRIPTIONS	•
CREEPAGE DISTANCESstandard's requirements.10.5 PROTECTION AGAINST ELECTRIC SHOCKDoes not apply, since the entire switchgear needs to be evaluated.10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTSDoes not apply, since the entire switchgear needs to be evaluated.10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONSIs the panel builder's responsibility.10.8 CONNECTIONS FOR EXTERNAL CONDUCTORSIs the panel builder's responsibility.10.9.2 POWER- FREQUENCY ELECTRIC STRENGTHIs the panel builder's responsibility.10.9.3 IMPULSE WITHSTAND VOLTAGEIs the panel builder's responsibility.10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIALIs the panel builder's responsibility.COLORBlackFITTED WITH:External warning plate/marking plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaftFRAMENZM4ACTIVATION TYPEActuation on the rightSUITABLE FOREmergency stop Power circuit breaker Switch disconnectorCOVER/DOOR TYPEDoor interlock lockable on OFF with max. 3 padlocksTYPEAccessory Main switch assembly kit for side panel	PROTECTION OF	entire switchgear needs to
AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL COLOR Black External warning plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME ACTIVATION TYPE COVER/DOOR TYPE 10.6 INCORPORATION OF ENCLOSURES MADE OF INSULATION TYPE ACCESSORY MAIN SWITCH S		•
switching devices and components 10.7 Internal Electrical Circuits And Connections 10.8 Connections for External Conductors responsibility. 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE Is the panel builder's responsibility. 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL COLOR Black FITTED WITH: FITTED WITH: SUITABLE FOR COVER/DOOR TYPE entire switch gear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibi	AGAINST ELECTRIC	entire switchgear needs to
ELECTRICAL CIRCUITS AND CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE Is the panel builder's responsibility. 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL COLOR Black External warning plate/marking plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME NZM4 ACTIVATION TYPE Actuation on the right Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Accessory Main switch assembly kit for side panel	SWITCHING DEVICES AND	entire switchgear needs to
### Instrument of the part of	ELECTRICAL CIRCUITS	•
FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL COLOR Black External warning plate/marking plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME ACTIVATION TYPE ACTUATION TYPE ACTIVATION TYPE COVER/DOOR TYPE SUITABLE FOR SUITABLE FOR SUITABLE FOR Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel		·
TYPE Is the panel builder's responsibility. External warning plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock Padlock NZM4 ACTIVATION TYPE Actuation on the right Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel	FREQUENCY ELECTRIC	-
ENCLOSURES MADE OF INSULATING MATERIAL COLOR Black External warning plate/marking plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME NZM4 ACTIVATION TYPE Actuation on the right Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel		
FITTED WITH: External warning plate/marking plate in German/English Door coupling rotary handle Black and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME NZM4 ACTIVATION TYPE Actuation on the right Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel	ENCLOSURES MADE OF	•
FITTED WITH: FITTED WITH: FITTED WITH: FITTED WITH: FITTED WITH: FITTED WITH: Padlock and yellow lightning symbol NZMXV4 extension shaft Padlock FRAME NZM4 ACTIVATION TYPE Actuation on the right Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel	COLOR	Black
FRAME ACTIVATION TYPE Actuation on the right Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel	FITTED WITH:	plate/marking plate in German/English Door coupling rotary handle Black and yellow lightning symbol
ACTIVATION TYPE Actuation on the right Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel		
Emergency stop Power circuit breaker Switch disconnector COVER/DOOR TYPE Door interlock lockable on OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel		
OFF with max. 3 padlocks Accessory Main switch assembly kit for side panel		Emergency stop Power circuit breaker
TYPE assembly kit for side panel	COVER/DOOR TYPE	
	ТҮРЕ	assembly kit for side panel

External warning plate/designation label can be clipped on. For enhanced busbar tag shroud on the incomer side, please order IP2X protection against contact with a finger. Kit for use as

a main switch

IP66 **DEGREE OF PROTECTION** / NEMA ENCLOSURE TYPE 4X. 12

SPECIAL FEATURES

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc

Eaton House 30 Pembroke Road Dublin 4, Ireland Eaton.com

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.









