Specifications



Eaton 271461

Eaton Moeller series NZM - Molded Case Circuit Breaker. Tunnel terminal, 3p, 1 page, max. 2x240mm², size 3

General specifications

PRODUCT NAME	Eaton Moeller series NZM connection type
CATALOG NUMBER	271461
MODEL CODE	NZM3-XKA2
EAN	4015082714611
PRODUCT LENGTH/DEPTH	92.5 mm
PRODUCT HEIGHT	102 mm
PRODUCT WIDTH	137 mm
PRODUCT WEIGHT	1.162 kg
COMPLIANCES	IEC UL/CSA RoHS conform
CERTIFICATIONS	CSA (File No. 22086) UL (Category Control Number DIHS) IEC60947 CSA (Class No. 1432-01) CE marking UL (File No. E31593) CSA-C22.2 No. 5-09 UL489 UL listed CSA certified

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Additional information

MODEL	Other

Delivery programme

AMPERAGE RATING	630 A (IEC), 550 A (UL/CSA)
FRAME	NZM3
NUMBER OF POLES	Three-pole
SUITABLE FOR	Copper cable Three-pole
TYPE	• Accessory • Tunnel terminal
USED WITH	NZM3, PN3, 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

Technical data - electrical

AMPERAGE RATING	630 A (IEC), 550 A (UL/CSA)

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 - terminals

TERMINAL CAPACITY (STRANDED CABLE)	Max. 500 AWG/kcmil (2x) Max. 500 AWG/kcmil (1x) 50 mm² - 240 mm² (1x) 50 mm² - 240 mm² (2x)

Resources

BROCHURES	eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf eaton-digital-nzm-brochure-br013003en-en-us.pdf
CATALOGUES	eaton-digital-nzm-catalog-ca013003en-en-us.pdf
DRAWINGS	eaton-circuit-breaker-terminals-nzm-tunnel-terminal-dimensions-002.eps eaton-general-nzm-tunnel-terminal-dimensions-002.eps 123I679
INSTALLATION INSTRUCTIONS	eaton-circuit-breaker-tunnel-terminal-nzm2-3-il01210007z.pdf
INSTALLATION VIDEOS	The new digital NZM Range Introduction of the new digital circuit breaker NZM
MCAD MODEL	DA-CS-nzm3_xka2
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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