Specifications



Photo is representative

Eaton 271457

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

General specifications	
PRODUCT NAME	Eaton Moeller series NZM connection type
CATALOG NUMBER	271457
MODEL CODE	NZM2-XKA
EAN	4015082714574
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	102 mm
PRODUCT WEIGHT	0.517 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	UL (Category Control Number DIHS) CSA (Class No. 1432-01) CSA (File No. 22086) UL (File No. E31593) CSA certified UL489 UL listed IEC60947 CE marking CSA-C22.2 No. 5-09

Additional information

MODEL	Other

Delivery program

AMPERAGE RATING	300 A (Cu), 225 A (Al)
FRAME	NZM2
NUMBER OF POLES	Three-pole
SUITABLE FOR	Copper cable Three-pole
TYPE	• Accessory • Tunnel terminal
USED WITH	NZM2, PN2, N(S)2

Design verification as per 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 AGAINST ELECTRIC SHOCK	Does not apply, since the 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.

Technical data - electrical

AMPERAGE RATING	300 A (Cu), 225 A (Al)

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. 240 mm² at digital input of supply connection 6 - 350 AWG/kcmil (1x) 16 mm² - 185 mm² (1x)

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-004.eps eaton-circuit-breaker-terminals-nzm-tunnel-terminal-3d-drawing-004.eps
INSTALLATION INSTRUCTIONS	eaton-circuit-breaker-tunnel-terminal-nzm2-3-il01210007z.pdf
INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM The new digital NZM Range
MCAD MODEL	nzm2_xka.stp
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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