Specifications



Photo is representative

Eaton 260042

Eaton Moeller series NZM - Molded Case Circuit Breaker. Box terminal, 3p, up to 630 A

General specifications	
PRODUCT NAME	Eaton Moeller series NZM connection type
CATALOG NUMBER	260042
MODEL CODE	NZM3-XKC
EAN	4015082600426
PRODUCT LENGTH/DEPTH	120.5 mm
PRODUCT HEIGHT	275 mm
PRODUCT WIDTH	140 mm
PRODUCT WEIGHT	0.41 kg
COMPLIANCES	IEC UL/CSA RoHS conform
CERTIFICATIONS	CSA (File No. 22086) UL (Category Control Number DIHS) CSA (Class No. 1432-01) UL489 CSA-C22.2 No. 5-09 CSA certified IEC60947 UL listed UL (File No. E31593) CE marking

Additional information

MODEL	Other

Delivery program

AMPERAGE RATING	630 A
FRAME	NZM3
NUMBER OF POLES	Three-pole
SUITABLE FOR	Copper cable Three-pole
TYPE	• Accessory • Box terminal
USED WITH	NZM3(-4), PN3(-4), N(S)3(-4)

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	630 A

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 (COPPER STRIP)	Max. 500 A: 6 segments of 16 mm x 0.8 mm - 10 segments of 24 mm x 1 mm or 11 segments of 21 mm x 1 mm 630 A: 10 segments of 24 mm x 1 mm + 5 segments of 24 mm x 1 mm or 8 segments of 24 mm x 1 mm (2x)
TERMINAL CAPACITY (STRANDED CABLE)	35 mm² - 240 mm² (1x) 2 - 500 AWG/kcmil (1x) 25 mm² - 120 mm² (2x) 4 - 250 AWG/kcmil (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-box-terminal-dimensions.eps
INSTALLATION INSTRUCTIONS	eaton-circuit-breakers-nzm3-box-terminal-il01208008z.pdf
INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM The new digital NZM Range
MCAD MODEL	eaton-mccb-terminals-mcad-3d-models-nzm3-xkc.stp
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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