Specifications



Eaton 281591

Eaton Moeller series NZM - Molded Case Circuit Breaker. Connection width extension, 3p, spacing 95mm

General specifications	
PRODUCT NAME	Eaton Moeller series NZM connection type
CATALOG NUMBER	281591
MODEL CODE	NZM4-XKV95
EAN	4015082815912
PRODUCT LENGTH/DEPTH	140 mm
PRODUCT HEIGHT	50 mm
PRODUCT WIDTH	90 mm
PRODUCT WEIGHT	3.175 kg
COMPLIANCES	IEC UL/CSA RoHS conform
CERTIFICATIONS	UL (Category Control Number DIHS) CSA (Class No. 1432-01) CSA-C22.2 No. 5-09 CSA (File No. 22086) UL listed UL (File No. E31593) CSA certified IEC60947 UL489 CE marking

Delivery program

AMPERAGE RATING	1600 A
FRAME	NZM4
NUMBER OF POLES	Three-pole
SPECIAL FEATURES	Five-hole fitting
SUITABLE FOR	Copper cable lugs Three-pole
TYPE	• Accessory • Connection width extension • Terminal
USED WITH	NZM4, N(S)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.

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 - electrical

AMPERAGE RATING	1600 A

Technical data - mechanical

SPECIAL FEATURES	Five-hole fitting

Technical data - mechanical - terminals

TERMINAL CAPACITY (COPPER BUSBAR)	Max. 80 mm x 10 mm (2x)
TERMINAL CAPACITY (COPPER STRIP)	Min. 10 segments of 50 mm x 1 mm
TERMINAL CAPACITY (FLEXIBLE CABLE)	Max. 500 AWG/kcmil (6x) 300 mm² (4x) 600 AWG/kcmil (4x) 95 mm² - 240 mm² (6x)

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-connection-nzm-mccb-dimensions-004.eps eaton-circuit-breaker-connection-nzm-mccb-3d-drawing-005.eps
INSTALLATION INSTRUCTIONS	eaton-nzm4-4-xkv95-xkv110-xkv120-il01210014z.pdf
INSTALLATION VIDEOS	The new digital NZM Range Introduction of the new digital circuit breaker NZM
MCAD MODEL	nzm4_xkv95.stp eaton-mccb-terminal-accessories-mcad-drawings-nzm4-xkv95.dwg
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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