Specifications



Photo is representative

Eaton 281666

Eaton Moeller series NZM - Molded Case Circuit Breaker. Connection, on rear, 3.5mm, 3p

General specifications	
PRODUCT NAME	Eaton Moeller series NZM multi-function device adapter
CATALOG NUMBER	281666
MODEL CODE	NZM2-XKR4
EAN	4015082816667
PRODUCT LENGTH/DEPTH	102 mm
PRODUCT HEIGHT	35 mm
PRODUCT WIDTH	93 mm
PRODUCT WEIGHT	0.159 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	UL (File No. E31593) CE marking UL listed UL (Category Control Number DIVQ) CSA (File No. 22086) CSA-C22.2 No. 5-09 CSA certified UL489 CSA (Class No. 1432-01) IEC60947-2 Specially designed for North America

Additional information

MODEL	Other

Delivery program

AMPERAGE RATING	250 A
FRAME	NZM2
NUMBER OF POLES	Three-pole
SPECIAL FEATURES	• Current limiting circuit breaker • For NZM2 component adapter
SUITABLE FOR	Three-pole
TYPE	• Accessory • Multifunction component adapter • Connection block • 60 mm system
USED WITH	NZM2 N(S)2 Feeder circuits, branch circuits NZM2, NZM3 circuit breakers PN2

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	250 A
VOLTAGE RATING (UL CSA 13)	Max. 480 Y / 277 V

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

DEGREE OF PROTECTION	IP20
SPECIAL FEATURES	• Current limiting circuit breaker • For NZM2 component adapter

Resources

BROCHURES	eaton-digital-nzm-brochure-br013003en-en-us.pdf eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf
CATALOGUES	eaton-digital-nzm-catalog-ca013003en-en-us.pdf
DRAWINGS	eaton-circuit-breaker-connection-nzm-rear-connection-dimensions-003.eps eaton-circuit-breaker-connection-nzm-connection-block-3d-drawing.eps
INSTALLATION INSTRUCTIONS	eaton-circuit-breakers-nzm2-xkr-o-u-connection-il01219047z.pdf
INSTALLATION VIDEOS	Introduction of the new digital circuit breaker NZM The new digital NZM Range
MCAD MODEL	DA-CS-nzm2_xkr4
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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