

Specifications



Photo is representative

Eaton 271458

Eaton Moeller series NZM - Molded Case Circuit Breaker. Tunnel terminal, 4p, 1 page, size 2

General specifications

PRODUCT NAME	Eaton Moeller series NZM connection type
CATALOG NUMBER	271458
MODEL CODE	NZM2-4-XKA
EAN	4015082714581
PRODUCT LENGTH/DEPTH	145 mm
PRODUCT HEIGHT	100 mm
PRODUCT WIDTH	90 mm
PRODUCT WEIGHT	0.662 kg
COMPLIANCES	IEC RoHS conform

Additional information

MODEL

Other

Delivery programme

AMPERAGE RATING

300 A (Cu), 225 A (Al)

FRAME

NZM2

NUMBER OF POLES

Four-pole

SUITABLE FOR

Four-pole
Copper cable

TYPE

- Accessory
- Tunnel terminal

USED WITH

NZM2-4, PN2-4, N(S)2-4

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

300 A (Cu), 225 A (Al)

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)	6 - 350 AWG/kcmil (1x) Max. 240 mm ² at digital input of supply connection
	25 mm ² - 185 mm ² (1x)

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-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	eaton-mccb-terminals-mcad-drawings-nzm2-xka.dwg
	nzm2_xka.stp
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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