

Specifications



Eaton 281581

Eaton Moeller series NZM - Molded Case Circuit Breaker. Interlock, mechanical, size 1

General specifications

PRODUCT NAME	Eaton Moeller series NZM mounting accessory
CATALOG NUMBER	281581
MODEL CODE	NZM1-XMV
EAN	4015082815813
PRODUCT LENGTH/DEPTH	90 mm
PRODUCT HEIGHT	50 mm
PRODUCT WIDTH	85 mm
PRODUCT WEIGHT	0.308 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	UL (Category Control Number DIHS) IEC60947 CE marking CSA-C22.2 No. 5-09 CSA (Class No. 1437-01) UL489 UL listed CSA certified UL (File No. E140305) CSA (File No. 22086)

Delivery programme

ACCESSORY/SPARE PART TYPE	Other
FRAME	NZM1
SPECIAL FEATURES	Allows interlocking of 2, 3 or 4 switches, including different construction sized switches, with NZM-XBZ... bowden cables.
TYPE	Accessory. Mechanical interlock
USED WITH	NZM1 NZM1-NA N(S)1(-4) NZM1-4 PN1-4 NS1 PN1 NZM1(-4) N1 N1-4 PN1(-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 - mechanical

SPECIAL FEATURES

Allows interlocking of 2, 3 or 4 switches, including different construction sized switches, with NZM-XBZ... bowden cables.

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.

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](#)

[eaton-circuit-breaker-interlock-nzm-mccb-dimensions.eps](#)

[eaton-circuit-breaker-interlock-nzm-mccb-dimensions-007.eps](#)

DRAWINGS

[eaton-circuit-breaker-interlock-nzm-mccb-dimensions-005.eps](#)

[eaton-circuit-breaker-interlock-nzm-mccb-dimensions-006.eps](#)

[eaton-circuit-breaker-interlock-nzm-mccb-3d-drawing.eps](#)

INSTALLATION INSTRUCTIONS

[eaton-circuit-breakers-mechanical-interlock-il01219012z.pdf](#)

INSTALLATION VIDEOS

[Introduction of the new digital circuit breaker NZM](#)

	The new digital NZM Range
MCAD MODEL	eaton-other-mccb-accessories-mcad-drawings-nzm1-xmv.dwg DA-CS-nzm1_xmv
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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