

Specifications



Eaton 259430

Eaton Moeller series NZM - Molded Case Circuit Breaker. Auxiliary contact, 2early N/O, operates as an early-make contact, 2/3

General specifications

PRODUCT NAME	Eaton Moeller series NZM auxiliary contact
CATALOG NUMBER	259430
MODEL CODE	NZM2/3-XHIV
EAN	4015082594305
PRODUCT LENGTH/DEPTH	42 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.076 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	UL listed CSA-C22.2 No. 5-09 CSA certified IEC60947 UL489 CSA (File No. 22086) CSA (Class No. 1437-01) UL (File No. E140305) UL (Category Control Number DIHS) CE marking

Additional information

MODEL

Integrable

Delivery programme

SPECIAL FEATURES

C300/R300 (auxiliary contacts, UL/CSA, pilot duty)

USED WITH

FAZ-B6 (max. miniature circuit breaker)

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

CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS	4 A
FUSE SHORT-CIRCUIT PROTECTION - MAX	10 A gG/gL
RATED OPERATIONAL CURRENT	2.5 A at 240 V AC (UL/CSA) 1 A at 250 V DC (UL/CSA)
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	4 A
VOLTAGE RATING AT AC	500 V AC
VOLTAGE RATING AT DC	220 VDC

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

CONNECTION TYPE	Screw connection
LAMP HOLDER	None
MOUNTING METHOD	Other
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
SPECIAL FEATURES	C300/R300 (auxiliary contacts, UL/CSA, pilot duty)

Technical data - mechanical - terminals

TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)	0.75 mm ² - 2.5 mm ² (2x) at auxiliary contacts with ferrule 18 - 14 AWG (2x) at auxiliary contacts 0.75 mm ² - 2.5 mm ² (1x) at auxiliary contacts with ferrule 18 - 14 AWG (1x) at auxiliary contacts
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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-undervoltage-nzm-mccb-3d-drawing-002.eps
ECAD MODEL	DA-CE-ETN.NZM2 3-XHIV
INSTALLATION INSTRUCTIONS	eaton-circuit-breaker-voltage-release-nzm2-3-il012141zu.pdf
INSTALLATION VIDEOS	The new digital NZM Range Introduction of the new digital circuit breaker NZM
TECHNICAL DATA SHEETS	eaton-nzm-technical-information-sheet
WIRING DIAGRAMS	eaton-circuit-breaker-contact-nzm-mccb-wiring-diagram.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

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