Specifications

Eaton 259430



Catalog Number: 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

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

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Product specifications

Used with

FAZ-B6 (max. miniature circuit breaker)

Special features

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

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

Resources

Brochures

eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf

eaton-digital-nzm-brochure-br013003en-en-us.pdf

Catalogs

eaton-digital-nzm-catalog-ca013003en-en-us.pdf

Declarations of conformity

DA-DC-03_NZM2

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

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.

Mounting Method

Other

Connection type

Screw connection

Conventional thermal current Ith of auxiliary contacts

4 A

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

0

Number of contacts (normally open contacts)

2

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

Number of fault-signal switches

0

Rated operational current

2.5 A at 240 V AC (UL/CSA)

1 A at 250 V DC (UL/CSA)

Fuse short-circuit protection - max

10 A gG/gL

Model

Integrable

Terminal capacity (solid/flexible conductor)

0.75 mm² - 2.5 mm² (2x) at auxiliary contacts with ferrule

18 - 14 AWG (2x) at auxiliary contacts

0.75 mm² - 2.5 mm² (1x) at auxiliary contacts with ferrule

18 - 14 AWG (1x) at auxiliary contacts

Lamp holder

None

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