Specifications

Eaton 189812

Catalog Number: 189812

Eaton Moeller series NZM - Molded Case Circuit Breaker. Shunt release for NZM2/3, 1 early-make auxiliary contact, 2NO, 48AC/DC, Push-in terminals



General specifications

Product Name
Eaton Moeller series NZM - Molded case circuit breaker

Catalog Number
189812

EAN
4015081878079

Product Length/Depth
115 mm

Product Height
65 mm

Product Width
75 mm

Product Weight
0.08 kg

Compliances
UL/CSA
IEC
RoHS conform

Powering Business Worldwide

Product specifications

Used with

NZM2(-4), N(S)2(-4)
NZM3(-4), N(S)3(-4)

Type

Accessory
Shunt release

Special features

When the shunt release is live, contact with the circuit-breaker's main contacts on switching on is reliably prevented.
Early-make of auxiliary contacts on switching on and off (manual operation): approx. 20 ms (NZM2/3) and 90 ms (NZM4).
Shunt release modules cannot be installed simultaneously with early-make contact NZM…-XHIV, untervoltage release NZM…-XU…, relais modules NZM...-X2A..., or remote operator NZM...-XR...

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

Resources

Brochures

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

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

Catalogs

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

Declarations of conformity

DA-DC-03_NZM2

Installation instructions

eaton-circuit-breaker-voltage-release-nzm2-3-il012141zu.pdf

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

Technical data sheets

eaton-nzm-technical-information-sheet

Wiring diagrams

eaton-circuit-breaker-shunt-release-nzm-shunt-release-wiring-diagram.eps

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.

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.

Electric connection type

Spring clamp connection

Fitted with:

Early-make auxiliary contact

Frame

NZM2/3

Number of contacts (normally open contacts)

1

Rated control supply voltage

48 V AC/DC

Rated control supply voltage (Us) at AC, 50 Hz - max

48 V

Rated control supply voltage (Us) at AC, 50 Hz - min

48 V

Rated control supply voltage (Us) at AC, 60 Hz - max

48 V

Rated control supply voltage (Us) at AC, 60 Hz - min

48 V

Suitable for

Motor safety switch

Off-load switch

Connection type

With push in terminal

Voltage type

AC/DC

Rated control supply voltage (Us) at DC - max

48 V

Rated control supply voltage (Us) at DC - min

48 V

Number of contacts (normally closed contacts)

0

Number of contacts (change-over contacts)

0

Undelayed short-circuit release - min

0 A

Undelayed short-circuit release - max

0 A

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

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