Specifications

Eaton 100683

Catalog Number: 100683

Eaton Moeller series NZM - Molded Case Circuit Breaker. Door coupling rotary handle, black, lockable on the handle+switch, size 1, NA



General specifications

Product Name
Eaton Moeller series NZM operating element NA

Catalog Number
100683

EAN
4015081005833

Product Length/Depth
75 mm

Product Height
190 mm

Product Width
90 mm

Product Weight
0.51 kg

Compliances
IEC
UL/CSA
RoHS conform

Certifications
IEC60947
CSA certified
UL489
CE marking
CSA-C22.2 No. 5-09
CSA (Class No. 1437-01)
UL (File No. E140305)
CSA (File No. 22086)
UL (Category Control Number DIHS)
UL listed

Powering Business Worldwide

Product specifications

Used with

NZM1, N(S)1

Type

Accessory Door coupling rotary handle

Special features

Complete including rotary drive and coupling parts Extension shaft additionally required. Cannot be combined with mechanical interlock External warning plate/designation label can be clipped on. Door coupling rotary handle for operating the switch through a closed control panel door

Features

Lockable

Standard: black / gray

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.

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_NZM1

Drawings

eaton-circuit-breaker-door-nzm-rotary-handle-dimensions-005.eps

eaton-circuit-breaker-door-nzm-rotary-handle-dimensions-010.eps

eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps

eaton-circuit-breaker-door-nzm-rotary-handle-3d-drawing-004.eps

Installation instructions

eaton-door-coupling-rotary-handle-nzm1-2-xt-il01203005z.pdf

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

mCAD model

DA-CS-nzm1_xtvd

DA-CD-nzm1_xtvd

Technical data sheets

eaton-nzm-technical-information-sheet

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.

Color

Black

Fitted with:

Padlock

Frame

NZM1

Suitable for

Power circuit breaker

Switch disconnector

Cover/door type

Door interlock not defeated in the locked OFF position.

Door interlock can be modified such that it can be defeated from the outside using a screwdriver

Door opens only with active rotation beyond the 0 position

Lock number

Double lockable

Locking facility

Lockable on the handle on the switch using up to 3 padlocks

With door interlock

Degree of protection / NEMA enclosure type

IP66

4X. 12

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