

# 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	Catalog Number
Eaton Moeller series NZM operating element NA	100683
	EAN
	4015081005833
Product Length/Depth	Product Height
75 mm	190 mm
Product Width	Product Weight
90 mm	0.51 kg
Compliances	Certifications
IEC	IEC60947
UL/CSA	CSA certified
RoHS conform	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

## 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 disconnecter

#### 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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Dublin 4, Ireland  
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