Specifications

# Eaton 189755

## Catalog Number: 189755

Eaton Moeller series NZM - Molded Case Circuit Breaker. Undervoltage release for NZM2/3, 12DC, Push-in terminals



### General specifications

**Product Name**
Eaton Moeller series NZM release

**Catalog Number**
189755

**EAN**
4015081877508

**Product Length/Depth**
115 mm

**Product Height**
65 mm

**Product Width**
75 mm

**Product Weight**
0.08 kg

**Compliances**
IEC
UL/CSA
RoHS conform

Powering Business Worldwide

## Product specifications

### Used with

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

### Type

Accessory Undervoltage release

### Special features

Non-delayed disconnection of NZM circuit-breaker or N switch-disconnector when the control voltage sinks below 35 – 70% US.
For use with emergency-stop devices in connection with an emergency-stop button.
When the under-voltage trip is switched off, accidental contact with the circuit breaker's primary contacts is prevented when switched on.
Undervoltage release modules cannot be installed simultaneously with early-make contact NZM…-XHIV, shunt release NZM…-XA… or relais modules NZM...-X2A...

### 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.

## 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

The new digital NZM Range

Introduction of the new digital circuit breaker NZM

### Technical data sheets

eaton-nzm-technical-information-sheet

### Wiring diagrams

123S013

### 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 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

Screw connection

Frame

NZM2/3

Number of contacts (normally open contacts)

0

Rated control supply voltage

12 V DC

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

0 V

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

0 V

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

0 V

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

0 V

Suitable for

Off-load switch

Motor safety switch

Connection type

With push in terminal

Voltage type

AC

Rated control supply voltage (Us) at DC - max

12 V

Rated control supply voltage (Us) at DC - min

12 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




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