

# Eaton 189757

Catalog Number: 189757

Eaton Moeller series NZM - Molded Case Circuit Breaker.  
Undervoltage release for NZM2/3, 24DC, Push-in terminals

General specifications



Product Name	Catalog Number
Eaton Moeller series NZM release	189757
EAN	Product Length/Depth
4015081877522	115 mm
Product Height	Product Width
65 mm	75 mm
Product Weight	Compliances
0.08 kg	IEC
	UL/CSA
	RoHS conform

## 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

24 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

Motor safety switch

Off-load switch

#### Connection type

With push in terminal

#### Voltage type

AC

#### Rated control supply voltage (Us) at DC - max

24 V

#### Rated control supply voltage (Us) at DC - min

24 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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