

# Eaton 259495

Catalog Number: 259495

Eaton Moeller series NZM - Molded Case Circuit Breaker.  
Undervoltage release, 60VAC, 2/3



### General specifications

Product Name	Catalog Number
Eaton Moeller series NZM release	259495
EAN	Product Length/Depth
4015082594954	42 mm
Product Height	Product Width
90 mm	30 mm
Product Weight	Compliances
0.064 kg	IEC
	UL/CSA
	RoHS conform

### Certifications

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

## Product specifications

### Used with

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

NZM2(-4), N(S)2(-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 releases cannot be installed simultaneously with NZM...-XHIV... early-make auxiliary contact or NZM...-XA... shunt release.

#### 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-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](#)

### eCAD model

[DA-CE-ETN.NZM2\\_3-XU60AC](#)

### 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](#)

#### 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

60 V 50/60 Hz

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

60 V

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

60 V

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

60 V

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

60 V

Suitable for

Off-load switch

Connection type

With bolt connection

Voltage type

AC

Rated control supply voltage (Us) at DC - max

0 V

Rated control supply voltage (Us) at DC - min

0 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