

Eaton 259684

Catalog Number: 259684

Eaton Moeller series NZM - Molded Case Circuit Breaker.
Undervoltage release, +2early N/O, for delay unit



General specifications

Product Name	Catalog Number
Eaton Moeller series NZM release	259684
EAN	Product Length/Depth
4015082596842	42 mm
Product Height	Product Width
90 mm	30 mm
Product Weight	Compliances
0.1 kg	IEC
	RoHS conform

Certifications

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

Product specifications

Used with

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

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

Type

Accessory Undervoltage release Undervoltage release for use with delay unit UVU

Special features

Combination of separate delay unit and special releases. For use with emergency-stop devices in connection with an emergency-stop button. not UL/CSA approved Special releases for combining with separate delay time. UVU-NZM delay unit is additionally required. Cannot be installed simultaneously with separate NZM...-XHIV early-make auxiliary contact or NZM...-XA... shunt release. Cannot be used in conjunction with NZM...-XR... remote operator. Early make of auxiliary contact on switching on and off (manual operation): approx. 20 ms.

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

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_NZM2](#)

eCAD model

[DA-CE-ETN.NZM2_3-XUVHIV](#)

Installation instructions

[eaton-circuit-breaker-voltage-release-nzm2-3-il012141zu.pdf](#)

Installation videos

[Introduction of the new digital circuit breaker NZM](#)

[The new digital NZM Range](#)

Technical data sheets

[eaton-nzm-technical-information-sheet](#)

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

Fitted with:

Two early-make auxiliary contacts

Frame

NZM2/3

Number of contacts (normally open contacts)

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

Voltage rating at DC

18 V DC

Suitable for

Off-load switch

Connection type

With bolt connection

Voltage type

DC

Functions

Delayed

Terminal capacity (solid/flexible conductor)

0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule

0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed
with ferrule

0.75 mm² - 2.5 mm² (1x) at shunt release with ferrule

18 - 14 AWG (2x) for undervoltage releases, off-delayed

18 - 14 AWG (1x) for undervoltage releases, off-delayed

0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed
with ferrule

18 - 14 AWG (1x) at shunt release

18 - 14 AWG (2x) at shunt release

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



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Eaton House
30 Pembroke Road
Dublin 4, Ireland
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