

Eaton 100512

Catalog Number: 100512

Eaton Moeller series NZM - Molded Case Circuit Breaker. Phase isolator, 3p, size 3

General specifications



Product Name	Catalog Number
Eaton Moeller series NZM connection type	100512
	EAN
	4015081004966
Product Length/Depth	Product Height
100.2 mm	161.6 mm
Product Width	Product Weight
48.5 mm	0.14 kg
Compliances	Certifications
IEC	UL (Category Control Number DIHS)
UL/CSA	UL listed
RoHS conform	CSA (Class No. 1432-01)
	IEC60947
	UL (File No. E31593)
	CSA-C22.2 No. 5-09
	CSA (File No. 22086)
	UL489
	CE marking
	CSA certified

Product specifications

Used with

NZM3(-4), PN3(-4), N(S)3(-4)

Type

Accessory Phase isolators Terminal

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.

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

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_NZM3](#)

Drawings

[eaton-circuit-breaker-nzm-phase-isolator-dimensions-004.eps](#)

[eaton-circuit-breaker-phase-isolator-nzm-3d-drawing-002.eps](#)

Installation instructions

[eaton-circuit-breakers-nzm3\(-4\)-xk22-connection-extension-instruction-leaflet-il01219032z.pdf](#)

Installation videos

[The new digital NZM Range](#)

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

mCAD model

[DA-CD-nzm3_xkp](#)

[DA-CS-nzm3_xkp](#)

Technical data sheets

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

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.

Frame

NZM3

Number of poles

Three-pole

Phase separator type

Other