Specifications

Eaton 115393

Catalog Number: 115393

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 24-30VDC, standard



General specifications

Product Name
Eaton Moeller series NZM remote operator

Catalog Number
115393

EAN
4015081151257

Product Length/Depth
150 mm

Product Height
105 mm

Product Width
105 mm

Product Weight
1.25 kg

Compliances
IEC
UL/CSA
RoHS conform

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

Powering Business Worldwide

Product specifications

Used with

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

Type

Accessory
Remote operator, standard

Special features

Sliding switch for "Auto" or "Manual"
Max. number auxiliary contacts: 2 standard auxiliary contacts, 1 trip-indicating auxiliary switches
Cannot be combined with switch-disconnector PN...
Cannot be combined with mechanical interlock
Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD

Voltage rating

24 - 30 V DC

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.

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

Drawings

eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions.eps

eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps

eCAD model

ETN.115393.edz

Installation instructions

eaton-remote-operation-directly-nzm2-xrd-il01219025z.pdf

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

mCAD model

DA-CD-nzm2_xr

DA-CS-nzm2_xr

Technical data sheets

eaton-nzm-technical-information-sheet

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.

Frame

NZM2

Breaking time

110 ms - 170 ms

Closing delay

110 ms - 170 ms

Voltage type

DC

Lifespan, mechanical

20000 operations

Number of poles

Three-pole/Four-pole

Number of operations per hour - max

120

Voltage tolerance - max

1.1

Voltage tolerance - min

.85

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

Rated control supply voltage (Us) at DC - max

30 V

Rated control supply voltage (Us) at DC - min

24 V

Signal duration of remote operator at switch off - min

100 ms

Signal duration of remote operator at switch on - min

100 ms

Switch drive type

Motor drive

Terminal capacity (solid/flexible conductor)

18 - 14 AWG

0.75 mm² - 2.5 mm² with ferrule

Operating voltage - max

1.1 x Us

Operating voltage - min

0.85 x Us

Power consumption

450 W (24 - 30 V DC)

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