Specifications

Eaton 189836

Catalog Number: 189836

Eaton Moeller series NZM - Molded Case Circuit Breaker. Internal communication module, RS485, Modbus RTU, suitable for NZM



General specifications

Product Name
Eaton Moeller series NZM electronic accessory

Catalog Number
189836

EAN
4015081878314

Product Length/Depth
76 mm

Product Height
65 mm

Product Width
68 mm

Product Weight
0.008 kg

Compliances
UL/CSA
IEC
RoHS conform

Powering Business Worldwide

Product specifications

Used with

NZM2(3)(4)(-4)-VX(MX)(PX)(PMX)

Type

Accessory Communications module

Special features

Baud Rates 9600, 19200, 38400, 57600 (default 19200) For the Fieldbus connection. The module is mounted in the right hand accessory pocket of the circuit breaker. For connection to Modbus RTU. RS485 interface Cannot be used with the PXR10 NZM-AX electronic trip.

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.

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

Installation instructions

eaton-internal-communication-connection-pxr-il012104zu.pdf

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

Technical data sheets

eaton-nzm-technical-information-sheet

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

NZM2/3/4

Accessory/spare part type

Communication and measuring function
Communications module
Accessory

Connection type

Pre-wired connection (communication, NZM connection)
Push-In (supply connection, rated control voltage)

Communication address range

001 - 247 (default 002)

Strip length

6 mm (supply connection)

Fieldbus type

Customer-wired standard Modbus connection

Interface type (fieldbus)

Modbus RTU / RS485

Terminal capacity (stranded cable)

AWG 24 - AWG 20 (1x) at supply connection

0.25 mm² - 0.5 mm² (1x) at supply connection (uninsulated ferrule according to DIN46224 / 1)

0.2 mm² - 0.5 mm² (1x) at supply connection

Parity

Even, uneven, unavailable (default)

Terminal capacity (solid cable)

0.2 mm² - 0.5 mm² (1x) at supply connection

Participant type

Slave

Stop bit

1, 2 (default 1)

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