

Eaton 189826

Catalog Number: 189826

Eaton Moeller series NZM - Molded Case Circuit Breaker. Interface module for NZM3 PXR20, connection for communication

General specifications



Product Name	Catalog Number
Eaton Moeller series NZM electronic accessory	189826
	EAN
	4015081878215
Product Length/Depth	Product Height
0.001 mm	0.001 mm
Product Width	Product Weight
0.001 mm	0.001 kg
Compliances	
IEC	
UL/CSA	
RoHS conform	

Product specifications

Used with

NZM3(-4)-VX(MX)(PX)(PMX)...

Type

Accessory Interface module

Special features

For universal connection of optional circuit breaker functions. Required for communication. The connection types depend on the design of the interface module. Circuit breaker status detection (I, +, 0) for the electronic trip unit. The switch's status can be communicated. 24 V DC auxiliary power connection. Connection for Communications Adapter Module (CAM). Optional CAM available for various Fieldbus communication systems (Profibus DP, SmartWire-DT, Ethernet-based Fieldbus). Connection to optional, internal Modbus RTU module. Mechanical pass-through of the switch's status (I, O) for use by the remote operator.

Voltage rating

24 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.

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

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](#)

Installation instructions

[eaton-circuit-breaker-interface-module-nzm-xbsm-il012102zu.pdf](#)

Installation videos

[The new digital NZM Range](#)

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

Technical data sheets

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

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

NZM3

Accessory/spare part type

Interface module

Communication and measuring function

Accessory

Connection type

10-pin plug connector (internal COM connection)
5-pin plug connector (CAM connection)
Assembled CAM cable (Supply connection, Digital-input)
With push in terminal
Pre-wired cable to the Modbus module (internal COM connection)
Screw terminal (supply connection, rated control voltage)
With bolt connection

Current consumption - max

100 mA

Strip length

5 mm (supply connection)

Degree of protection

Installation in the switch

Terminal capacity (stranded cable)

0.2 mm² - 1.5 mm² (1x) at supply connection
0.25 mm² - 0.75 mm² (1x) at supply connection (insulated ferrule according to DIN46224 / 4)
0.25 mm² - 0.75 mm² (1x) at supply connection (uninsulated ferrule according to DIN46224 / 1)
24 - 16 AWG (1x) at supply connection

Terminal capacity (solid cable)

0.2 mm² - 1.5 mm² (1x) at supply connection

Tightening torque

$\geq 0.22 \text{ Nm}$
 $\leq 0.25 \text{ Nm}$

Control voltage tolerance

+/- 20%