

Select your language

- German
- English
- French
- Dutch
- Italian
- Polish
- Czech
- Russian
- Norwegian Bokmål

Worldwide English



Powering Business Worldwide

NZM2-XBSM - Interface module for NZM2 PXR20, connection for communication



189825 NZM2-XBSM

[Overview](#) [Specifications](#) [Resources](#)



189825 NZM2-XBSM

Interface module for NZM2 PXR20, connection for communication

Optional accessories for the circuit-breaker series NZM offers a comprehensive portfolio of application options for use world wide. The mounting is always flexible and easy thanks to the modular function groups. Notes: Breaker status modules - For multi purpose connection of optional circuit-breaker features. Required for communication. Type of connections depends on the version of the breaker status module. Detection of circuit-breaker status (I, +, 0) for the electronic release. Breaker status can be communicated. Auxiliary power supply connection for 2 x 24 V DC. Connection for communication adapter module (CAM). CAM available for various fieldbus communication systems (Profibus DP, SmartWire-DT, Ethernet based fieldbus). Connection to internal Modbus RTU module.



- [Delivery program](#)

- [Technical data](#)

- [Design verification as per IEC/EN 61439](#)

- [Technical data ETIM 7.0](#)

- [Approvals](#)

Delivery program

Product range

Accessories

Accessories

Interface module

Standard/Approval

UL/CSA, IEC

Construction size

NZM2

Description

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.

Connection type

with push in terminal

With bolt connection

For use with

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

Technical data

Supply connection

Rated control voltage [U_s] DC [U_s]

24-24 V DC

Rated control voltage [U_s] Tolerance

+/- 20%

Rated control voltage [U_s] max. current consumption

100

Rated control voltage [U_s] Connection Connection type

Screw terminal

Rated control voltage [U_s] Connection Stripping length

5 mm

Rated control voltage [U_s] Connection Terminal capacity Solid

1 x (0.2 - 1.5) mm²

Rated control voltage [U_s] Connection Terminal capacity Stranded

1 x (0.2 - 1.5) mm²

Rated control voltage [U_s] Connection Terminal capacity

1 x AWG 24 - AWG 16 AWG

Rated control voltage [U_s] Connection Terminal capacity with uninsulated end sleeve in accordance with DIN 46228 / 1

1 x (0,25 - 0,75) mm²

Rated control voltage [U_s] Connection Terminal capacity with insulated end sleeve in accordance with DIN 46224 / 4

1 x (0,25 - 0,75) mm²

Rated control voltage [U_s] Connection Terminal capacity Min. tightening torque

0.22 Nm

Rated control voltage [U_s] Connection Terminal capacity Maximum tightening torque

0.25 Nm

CAM connection

Connection technique

5-pin plug connector

Connection type

assembled CAM cable

Internal COM connection

Connection technique

10-pin plug connector

Connection type

pre-wired cable to the Modbus module

Design verification as per IEC/EN 61439

IEC/EN 61439 design verification

10.2 Strength of materials and parts 10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9 Insulation properties10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

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.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Accessories for low-voltage switch technology (EC002498)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switch technology (accessories) (ecl@ss10.0.1-27-37-13-92 [AKN570013])

Type of accessory

Communication and measuring function

Approvals

Product Standards

In preparation

Degree of Protection

Installation in the switch

Product photo



Photo

Product photo

Photo



Photo

Product photo

Photo



Photo

Product photo
Photo

Download-Center

- [Download-Center \(this item\)](#)
Eaton EMEA Download-Center - download data for this item
- [Download-Center](#)
Eaton EMEA Download-Center



[Generate data sheet in PDF format](#)



[Generate data sheet in Excel format](#)



[Write a comment](#)

[Imprint](#) [Privacy Policy](#) [Legal Disclaimer](#) [Terms and Conditions](#)

© 2020 by Eaton Industries GmbH

