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Powering Business Worldwide

PXR-RCAM-MRTU-I - Internal communication module, RS485, Mdbus RTU, suitable for NZM



189836 PXR-RCAM-MRTU-I

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189836 PXR-RCAM-MRTU-I

Internal communication module, RS485, Mdbus RTU, suitable for NZM

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: Communication adapter modules - For fieldbus connection. Internal Module for NZM For connection to Mdbus RTU. RS485 Interface. Cannot be used with PXR10 NZM-AE electronic release.



- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0

Delivery program

Product range
Accessories
Accessories
Communications module
Standard/Approval
UL/CSA, IEC
Construction size
NZM2/3/4
Description
For the Fieldbus connection.
The module is mounted in the right hand accessory pocket of the circuit breaker.
For connection to Mdbus RTU.
RS485 interface

Cannot be used with the PXR10 NZM-AX electronic trip.

For use with

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

Technical data

Kommunikation

Type of the fieldbus interface

Mdbus RTU/ RS485

Participant type

Slave

Kommunikationsparameter Addresses

001 - 247 (default 002)

Kommunikationsparameter Baud Rates

9600, 19200, 38400, 57600 (default 19200)

Kommunikationsparameter Parity

Even, uneven, unavailable (default)

Kommunikationsparameter Stop bit

1, 2 (default 1)

Kommunikationsparameter NZMconnection

Pre-wired connection

Kommunikationsparameter Fieldbus connection

Customer-wired standard Mdbus connection

ConnectionConnection type

Push-In

ConnectionStripping length

6 mm

Connection**Terminal capacity**Solid

1 x (0.2 - 0.5) mm²

Connection**Terminal capacity**Stranded

1 x (0.2 - 0.5) mm²

Connection**Terminal capacity**

1 x (24 - 20) AWG

Connection**Terminal capacity**with uninsulated end sleeve in accordance with DIN46228 / 1

1 x (0,25 - 0,5) mm²

Design verification as per IEC/EN 61439

IEC/EN 61439 design verification

10.2 Strength of materials and parts10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts10.2.5 Lifting

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

10.2 Strength of materials and parts10.2.6 Mechanical impact

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

10.2 Strength of materials and parts10.2.7 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 properties 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.4 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

Product photo



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