

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



Part no. PXR-RCAM-MRTU-I
Catalog No. 189836

Similar to illustration

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 Modbus RTU. RS485 interface Cannot be used with the PXR10 NZM-AX electronic trip.
For use with		NZM2(3)(4)(-4)-VX(MX)(PX)(PMX)

Technical data

Kommunikation

Type of the fieldbus interface		Modbus RTU / RS485
Participant type		Slave
Kommunikatonsparameter		
Addresses		001 - 247 (default 002)
Baud Rates		9600, 19200, 38400, 57600 (default 19200)
Parity		Even, uneven, unavailable (default)
Stop bit		1, 2 (default 1)
NZM connection		Pre-wired connection
Fieldbus connection		Customer-wired standard Modbus connection
Connection		
Connection type		Push-In
Stripping length	mm	6
Terminal capacity		
Solid	mm ²	1 x (0.2 - 0.5)
Stranded	mm ²	1 x (0.2 - 0.5)
	AWG	1 x (24 - 20)
with insulated end sleeve in accordance with DIN46228 / 1	mm ²	1 x (0,25 - 0,5)

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.
10.2.3.1 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties		
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.
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
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