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Interface module for NZM4 PXR20, connection for communication

Part no. **NZM4-XBSM**
Catalog No. **189827**

Delivery program

Product range		Accessories
Accessories		Interface module
Standard/Approval		UL/CSA, IEC
Construction size		NZM4
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, 0) for use by the remote operator.
Connection type		with push in terminal With bolt connection
For use with		NZM4(-4)-VX(MX)...

Technical data

Supply connection

Rated control voltage	U _s	V	
DC	U _s	V DC	24 - 24
Tolerance			+/- 20%
max. current consumption			100
Connection			
Connection type			Screw terminal
Stripping length		mm	5
Terminal capacity			
Solid		mm ²	1 x (0.2 - 1.5)
Stranded		mm ²	1 x (0.2 - 1.5)
		AWG	1 x AWG 24 - AWG 16
with uninsulated end sleeve in accordance with DIN46228 / 1		mm ²	1 x (0,25 - 0,75)
with insulated end sleeve in accordance with DIN46224 / 4		mm ²	1 x (0,25 - 0,75)
Min. tightening torque		Nm	0.22
Maximum tightening torque		Nm	0.25

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.
10.2.3.1 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 8.0

Low-voltage industrial components (EG000017) / Accessories/spare parts 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/spare part			Communication and measuring function
Accessory			Yes
Spare part			No

Approvals

Product Standards			In preparation
Degree of Protection			Installation in the switch