

Communication module, RJ45, ProfiNet

Part no. PXR-ECAM-PNET
Catalog No. 302050

Delivery program

Product range		Accessories
Accessories		Communications module
Standard/Approval		IEC
Construction size		NZM...2(3)(4)-MX(VX)(PX)(PMX)...
Description		For fieldbus connection to NZM circuit breakers. The module is mounted externally near the circuit breaker. Connection to Profinet IO. 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		Profinet IO
Participant type		Slave
Kommunikationsparameter		
NZM connection		Pre-wired connection
Fieldbus connection		RJ45 Ethernet cable Cat6

Supply connection

Rated control voltage	U _s	V	
DC	U _s	V DC	9 - 30
Power consumption	P _{max.}	W	4.5
Connection			
Connection type			With bolt connection
Terminal capacity			
Solid		mm ²	1 x (0.5 - 2.5)
Stranded		mm ²	1 x (0.5 - 2.5)
		AWG	1 x (20 - 14)
with ferrule acc. to DIN46224 / 1		mm ²	1 x (0.5 - 2.5)
with ferrule with plastic collar acc. to DIN46228 / 4		mm ²	1 x (0.5 - 2.5)
Digital-Eingänge			
Connection			
Terminal capacity			
		AWG	1 x (20 - 14)
with ferrule acc. to DIN46224 / 1		mm ²	1 x (0.5 - 2.5)
with ferrule with plastic collar acc. to DIN46228 / 4		mm ²	1 x (0.5 - 2.5)
Relay outputs			
Connection			
Terminal capacity			
		AWG	1 x (20 - 14)
with ferrule acc. to DIN46224 / 1		mm ²	1 x (0.5 - 2.5)
with ferrule with plastic collar acc. to DIN46228 / 4		mm ²	1 x (0.5 - 2.5)
Operating ambient temperature min.		°C	-20
Operating ambient temperature max.		°C	+ 50
Min. ambient temperature, storage		°C	- 40
Ambient temperature, storage max.		°C	+ 85

Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-20
Operating ambient temperature max.	°C	50
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