DATASHEET - PXR-ECAM-MTCP



Communication module, RJ45, Modbus TCP

Part no. PXR-ECAM-MTCP Catalog No. 195566



Delivery program

Product range	Accessories
Accessories	Communications module
Standard/Approval	UL/CSA, IEC
Construction size	NZM2(3)(4)-MX(VX)(PX)(PMX); IZMX
Description	For Fieldbus connection to the IZMX and NZM circuit breakers. The module is mounted externally near the circuit breaker. For connection to Modbus TCP. Cannot be used with the PXR10 NZM-AX electronic trip.
For use with	NZM2(3)(4)(-4)-VX(MX)(PX)(PMX) IZMX

Technical data

Kommunikation

Kommunikation			
Type of the fieldbus interface			Modbus TCP / RJ45
Participant type			Slave
Kommunikatonsparameter			
NZM connection			Pre-wired connection
Fieldbus connection			RJ45 Ethernet cable Cat6
Supply connection			
Rated control voltage	U_s	V	
DC	Us	V DC	24 - 24
Tolerance			+/- 20%
Power consumption	P _{max} .	W	6
Connection			
Connection type			With bolt connection
Stripping length		mm	7
Terminal capacity			
Solid		mm^2	1 x (0.2 - 2.0)
Stranded		mm^2	1 x (0.2 - 2.0)
		AWG	1 x (24 - 14)
with ferrule acc. to DIN46224 / 1		mm ²	1 x (0,2 - 2,0)
with ferrule with plastic collar acc. to DIN46228 / 4		mm ²	1 x (0,2 - 2,0)
Digital-Eingänge			
Quantity			3
Input current		mA	5
Power supply		V DC	24
Input impedance		kΩ	5
Connection			
Connection type			With bolt connection
Stripping length		mm	7
Terminal capacity			
Solid		mm ²	1 x (0.2 - 2.0)
Stranded		mm ²	1 x (0.2 - 2.0)
		AWG	1 x (24 - 14)
with ferrule acc. to DIN46224 / 1		mm ²	1 x (0,2 - 2,0)
with ferrule with plastic collar acc. to DIN46228 / 4		mm ²	1 x (0,2 - 2,0)

y outputs Number			2
			_
ontact sequence			
ated control voltage	U _s	V	220, 240
AC	U _s	V AC	220 - 240
DC	Us	V DC	24 - 30
ontacts			
Overvoltage category/pollution degree			11/2
witching capacity		kA _{rms}	
Rated operational current			
AC-1			
220V230V240V	l _e	Α	2
DC-1			
24 V	I _e	Α	2
Connection			With half and and and
Connection type			With bolt connection
Stripping length		mm	7
Terminal capacity Solid		2	1 x (0,2 - 2,0)
		mm ²	
Stranded		mm ²	1 x (0,2 - 2,0)
with founds are to DIMERONA (4		AWG	1 x (24 - 14)
with ferrule acc. to DIN46224 / 1		mm ²	1 x (0,2 - 2,0)
with ferrule with plastic collar acc. to DIN46228 / 4		mm ²	1 x (0,2 - 2,0)
perating ambient temperature min.		°C	-20
perating ambient temperature max.		°C	+ 70
Ain. ambient temperature, storage		°C	- 45
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	70
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.