DATASHEET - PXR-ECAM-MTCP

Communication module, RJ45, Modbus TCP

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

Powering Business Worldwide

Delivery program

Product range			Accessories
Accessories			Communications module
Standard/Approval			UL/CSA, IEC
Construction size			NZM…2(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

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	U_s	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)

Relay outputs			
Number			2
Contact sequence			
Rated control voltage	U_s	V	
AC	U_s	V AC	220 - 240
DC	U_s	V DC	24 - 30
Contacts			
Overvoltage category/pollution degree			II/2
Switching capacity		kA_{rms}	
Rated operational current			
AC–1			
220V230V240V	I_e	A	2
DC-1			
24 V	I_e	A	2
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)
Operating ambient temperature min.		°C	-20
Operating ambient temperature max.		°C	+ 70
Min. 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.