

Communication module, RJ45, EtherCAT



**Part no.**                      **PXR-ECAM-ECT**  
**302052**

Product name	Eaton Moeller series NZM electronic accessory
Part no.	PXR-ECAM-ECT
EAN	9010238154827
Product Length/Depth	123 millimetre
Product height	101 millimetre
Product width	35 millimetre
Product weight	0.155 kilogram
Compliances	RoHS conform IEC
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Electronic accessory
Type	Communications module
Accessory/spare part type	Communication and measuring function Communications module Accessory
Special features	For fieldbus connection to NZM circuit breakers. The module is mounted externally near the circuit breaker. For connection to EtherCAT. Cannot be used with the PXR10 NZM-AX electronic trip.
Frame	NZM...2(3)(4)-MX(VX)(PX)(PMX)...
Used with	NZM2(3)(4)(-4)-VX(MX)(PX)(PMX)
Power supply	9 - 30 V DC
Power consumption	4.5 W
Fieldbus type	RJ45 Ethernet cable Cat6
Interface type (fieldbus)	EtherCAT
Participant type	Slave
Connection type	Pre-wired connection (communication, NZM connection) With bolt connection
Special features	For fieldbus connection to NZM circuit breakers. The module is mounted externally near the circuit breaker. For connection to EtherCAT. Cannot be used with the PXR10 NZM-AX electronic trip.
Terminal capacity (stranded cable)	0.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> (1x) at supply connection (uninsulated ferrule according to DIN46224 / 1) 0.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> (1x) at supply connection (insulated ferrule according to DIN46228 / 4) 0.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> (1x) 20 - 14 AWG (1x) at supply connection
Terminal capacity (solid cable)	0.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> (1x)
Ambient operating temperature - min	-20 °C
Ambient operating temperature - max	50 °C
Ambient storage temperature - min	-40 °C
Ambient storage temperature - max	85 °C
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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