DATASHEET - DX-NET-MODBUSTCP-2

2-port Modbus/TCP communication module for DA1 variable frequency drives

Part no.	**DX-NET-MODBUSTCP-2**
	169126
EL Number (Norway)	**4137446**

General specifications	
Product name	Eaton DX Communication module
Part no.	DX-NET-MODBUSTCP-2
EAN	4015081656066
Product Length/Depth	51.8 millimetre
Product height	22.3 millimetre
Product width	50.1 millimetre
Product weight	0.03 kilogram
Certifications	UL report applies to both US and Canada UL Category Control No.: NMMS, NMMS7 UL 508C CSA-C22.2 No. 14 UL File No.: E172143 UL CE IEC/EN61800-3 IEC/EN61800-5 Certified by UL for use in Canada
Product Tradename	DX
Product Type	Accessory
Product Sub Type	Communication module
Catalog Notes	2 x RJ45, 8 pole
General information	
Accessory/spare part type	Communication module
Degree of protection	IP00
Product Category	Accessories
Suitable for	Branch circuits, (UL/CSA)
Used with	DA1
Climatic environmental conditions	
Ambient operating temperature - max	50 °C
Ambient operating temperature - min	-10 °C
Connection	
Connection type	Plug-in connection
Communication	
Protocol	Modbus TCP
Design verification	
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 9.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for frequency controller (EC002025)		
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessories) (ecl@ss13-27-02-31-92 [AFR303008])		
Type of accessory/spare part		Communication module
Accessory		Yes
Spare part		No

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