DATASHEET - DX-NET-ETHERCAT-2

1-port EtherCAT communication module for DA2 variable frequency drives

Powering Business Worldwide™

Part no.	**DX-NET-ETHERCAT-2**
Catalog No.	**169127**
Alternate Catalog No.	**DX-NET-ETHERCAT-2**
EL-Nummer (Norway)	**4137447**

Delivery program

Bus protocol			EtherCAT
Description			2 x RJ45, 8 pole
For use with			DA1
Connection technique			Plug-in module

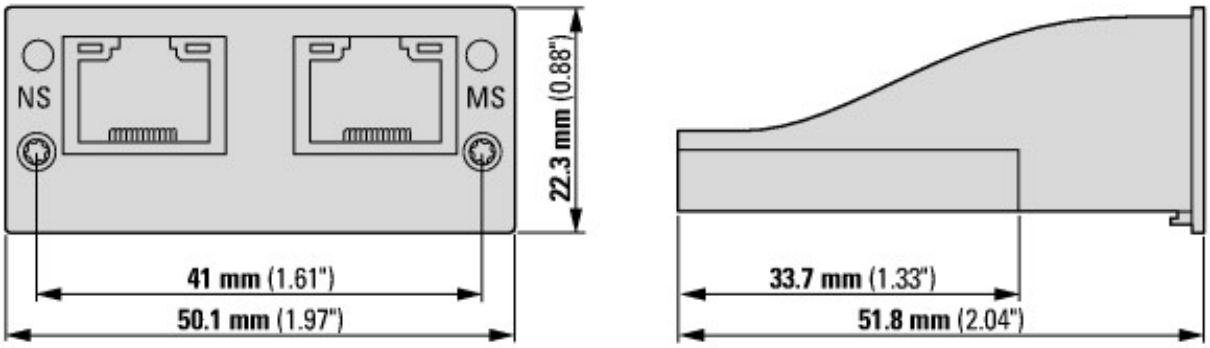
Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-10
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 7.0

Low-voltage industrial components (EG000017) / Accessories for frequency controller (EC002025)			
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessory) (ecl@ss10.0.1-27-02-31-92 [AFR303003])			
Type of accessory			Communication module

Dimensions



Assets (links)

Declaration of CE Conformity

00003239

Instruction Leaflets

IL040004ZU2018_05

Manuals

MN040009_EN (English)

Additional product information (links)

IL040004ZU Fieldbus modules for DA1	
IL040004ZU Fieldbus modules for DA1	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL040004ZU2019_03.pdf
MN040009 Field bus connection EtherCAT, Manual	
MN040009 Feldbus-Anschluss EtherCAT, Handbuch - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN040009_DE.pdf
MN040009 Field bus connection EtherCAT, Manual - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN040009_EN.pdf
CA04020001Z-EN Product Range Catalog: Efficient Engineering for Starting and Controlling Motors	http://www.eaton.eu/DE/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_1095238.pdf