

DATASHEET - DX-NET-ETHERNET-2



Ethernet/IP communication module for DA1 variable frequency drives



Part no. DX-NET-ETHERNET-2
Catalog No. 169122
Alternate Catalog No. DX-NET-ETHERNET-2
EL-Nummer (Norway) 4137442

Delivery program

Bus protocol		EtherNet-IP
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

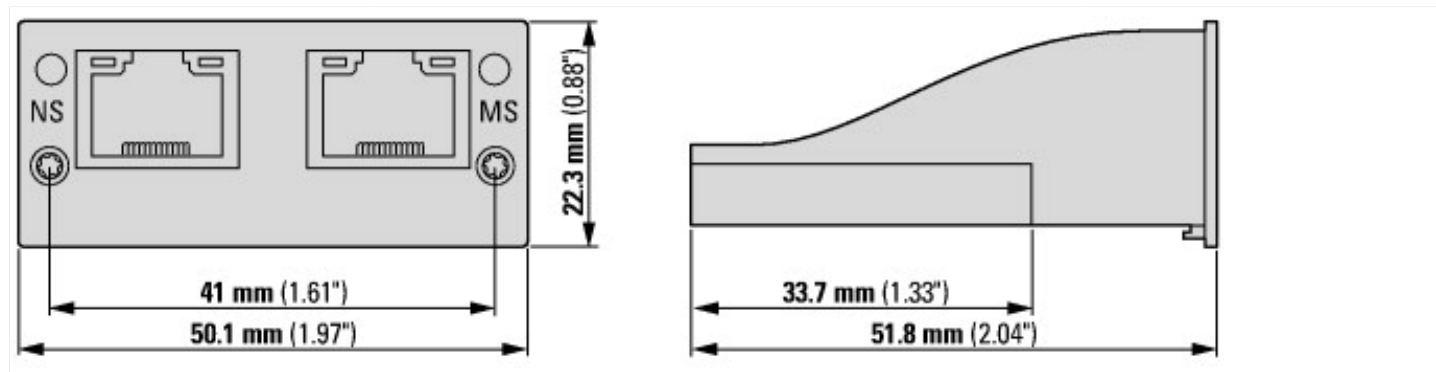
Low-voltage industrial components (EG000017) / Accessories for frequency controller (EC002025)		
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessory) (ecl@ss10.0.1-27-02-31-92 [AFR303003])		
Type of accessory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

Approvals

Product Standards		UL 508C; CSA-C22.2 No. 14; IEC/EN61800-3; IEC/EN61800-5; CE marking
UL File No.		E172143

UL Category Control No.		NMMS, NMMS7
CSA File No.		UL report applies to both US and Canada
North America Certification		UL listed, certified by UL for use in Canada
Specially designed for North America		No
Suitable for		Branch circuits
Degree of Protection		IEC: IP00

Dimensions



Additional product information (links)

IL040004ZU Fieldbus modules for DA1	
IL040004ZU Fieldbus modules for DA1	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL040004ZU2019_03.pdf
MN04012007Z PROFINET field bus module for DA1, manual	
MN04012007Z PROFINET Fieldbus-Modul für DA1, Handbuch - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04012007Z_DE.pdf
MN04012007Z PROFINET field bus module for DA1, manual - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04012007Z_EN.pdf
MN04012007Z module bus de terrain PROFINET pour DA1, manuel d'utilisation - français	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04012007Z_FR.pdf
MN04012007Z Modulo bus di campo PROFINET per DA1, manuale - italiano	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04012007Z_IT.pdf
MN04012007Z Модуль полевой шины PROFINET для DA1, руководство - русский	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04012007Z_RU.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