

SmartWire-DT communication module for DA1 variable frequency drives,
IP20 degree of protection



Part no. DX-NET-SWD1
169129
EL Number 4110027
(Norway)

General specifications		
Product name		Eaton DX SmartWire-DT module
Part no.		DX-NET-SWD1
EAN		4015081656080
Product Length/Depth		95 millimetre
Product height		23 millimetre
Product width		50 millimetre
Product weight		0.03 kilogram
Certifications		UL UL report applies to both US and Canada CSA-C22.2 No. 14 UL File No.: E172143 Certified by UL for use in Canada UL 508C IEC/EN61800-3 UL Category Control No.: NMMS, NMMS7 IEC/EN61800-5 CE
Product Tradename		DX
Product Type		Accessory
Product Sub Type		SmartWire-DT module
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		
Communication		SmartWire-DT, optional
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