

SmartWire-DT communication module for DC1 variable frequency drives,
IP20 degree of protection



Part no. DX-NET-SWD3

169131

EL Number

4110029

(Norway)

General specifications		
Product name		Eaton DX SmartWire-DT module
Part no.		DX-NET-SWD3
EAN		4015081656103
Product Length/Depth		34 millimetre
Product height		38 millimetre
Product width		43 millimetre
Product weight		0.002 kilogram
Compliances		Contact Manufacturer
Certifications		UL report applies to both US and Canada Certified by UL for use in Canada CSA-C22.2 No. 14 IEC/EN61800-3 UL File No.: E172143 UL Category Control No.: NMMS, NMMS7 IEC/EN61800-5 UL CE UL 508C
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		DC1 variable frequency drive DC1, DE1
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