DATASHEET - DXA-EXT-ENCOD

Expansion for DA1 variable frequency drives (Local IN)

Part no.	**DXA-EXT-ENCOD**
	169035
EL Number (Norway)	**4137439**

General specifications

Product name	Eaton DA1 Accessory Encoder module
Part no.	DXA-EXT-ENCOD
EAN	4015081655281
Product Length/Depth	38 millimetre
Product height	170 millimetre
Product width	120 millimetre
Product weight	0.03 kilogram
Certifications	UL 508C IEC/EN61800-3 CE UL Category Control No.: NMMS, NMMS7 UL File No.: E172143 CSA-C22.2 No. 14 Certified by UL for use in Canada UL report applies to both US and Canada IEC/EN61800-5 UL
Product Tradename	DA1
Product Type	Accessory
Product Sub Type	Encoder module
Catalog Notes	max. 500 kHz 5 V TTL, A & B, /A & /B, 5 V DC, max. 200 mA 24 V HTL, A & B, /A & /B, 24 V DC, external power supply required, max. 30 V DC

General information

Accessory/spare part type	Extension module
Degree of protection	IP00
Number of channels	2
Product Category	Accessories
Suitable for	Branch circuits, (UL/CSA)

Climatic environmental conditions

Ambient operating temperature - min	-10 °C
Ambient operating temperature - max	50 °C

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			Extension module
Accessory			Yes
Spare part			No

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