DATASHEET - DX-EMC12-031-FS3

Radio interference suppression filter, Single-phase, ULN= max. 250 + 10% V, 31 A, For use with: DC1

Part no.	**DX-EMC12-031-FS3**
	172277
EL Number (Norway)	**4110038**

General specifications	
Product name	Eaton DX Radio interference suppression filter
Part no.	DX-EMC12-031-FS3
EAN	4015081688395
Product Length/Depth	155 millimetre
Product height	310 millimetre
Product width	60 millimetre
Product weight	2.5 kilogram
Certifications	IEC/EN 61800-3 EN 50178
Product Tradename	DX
Product Type	Accessory
Product Sub Type	Radio interference suppression filter
Features & Functions	
Number of phases	1
General information	
Accessory/spare part type	Filter
Degree of protection	IP20, when connected IP00 IP20
Product Category	Accessories
Used with	DM1 DE1 DC1
Climatic environmental conditions	
Altitude	At higher altitudes observe derating Max. 2000 m
Connection	
Connection type	Connection terminal, PE stud, prefabricated cables
Electrical rating	
Rated operational current (Ie) - max	31 A
Design verification	
Rated operational current for specified heat dissipation (In)	31 A
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		Filter
Accessory		Yes
Spare part		No

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