

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		EN 50178 IEC/EN 61800-3
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 IP00 IP20, when connected
Product Category		Accessories
Used with		DC1, DM1, DX
Climatic environmental conditions		
Altitude		Max. 2000 m At higher altitudes observe derating
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