

**Sine filter, three-phase, 500 V + 0% (50/60 Hz) V AC, 10 A, For use with:  
DC1, DA1, DL1, DG1, SVX, SPX**

**Part no. DX-SIN3-010  
271590**

<b>General specifications</b>		
Product name		Eaton DX Sine filter
Part no.		DX-SIN3-010
EAN		4015082715908
Product Length/Depth		155 millimetre
Product height		160 millimetre
Product width		120 millimetre
Product weight		6.1 kilogram
Certifications		Certified by UL for use in Canada IEC/EN61800-3 UL report applies to both US and Canada CE IEC/EN61800-5 UL File No.: E300273 UL 508C CSA-C22.2 No. 14 UL Category Control No.: NMTR2, NMTR8 UL UL
Product Tradename		DX
Product Type		Accessory
Product Sub Type		Sine filter
<b>Features &amp; Functions</b>		
Fitted with:		PE stud Terminations
Number of phases		3
<b>General information</b>		
Accessory/spare part type		Filter
Degree of protection		IP00
Duty factor		100 %
Insulation class		F
Product Category		Accessories
Suitable for		Branch circuits, (UL/CSA)
Used with		DA1, DB1, DC1, DG1, DM1, SPX, SVX
<b>Ambient conditions, mechanical</b>		
Mounting position		Free surrounding areas < 100 mm Standing vertically Suspended horizontally
<b>Climatic environmental conditions</b>		
Altitude		Max. 1000 m Max. 4000 m with current reduction
Ambient operating temperature - max		45 °C
Ambient operating temperature - min		-10 °C
Ambient storage temperature - max		85 °C
Ambient storage temperature - min		-25 °C
Operating temperature details		-10 - 45 °C (up to 70 °C with current derating)
<b>Electrical rating</b>		
Permissible connection voltage		Max. 500 V AC (5 - 150 Hz)
Rated frequency - min		0 Hz
Rated frequency - max		120 Hz
Rated inductance		5.1 mH
Rated operational current (Ie) - max		10 A
Rated operational voltage (Ue) - max		400 V

Voltage rating - max			480 V
Voltage sag Uk			7 %
<b>Design verification</b>			
Heat dissipation capacity Pdiss			0 W
Rated operational current for specified heat dissipation (In)			10 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