DATASHEET - DX-EMC34-100-L



Radio interference suppression filter, three-phase, low leakage current, ULN= max. 520 + 10% V, 100 A, For use with: DA1, DG1

Part no.	**DX-EMC34-100-L**
	174611
EL Number (Norway)	**4110112**

General specifications	
Product name	Eaton DX Radio interference suppression filter - low
Part no.	DX-EMC34-100-L
EAN	4015081710669
Product Length/Depth	151 millimetre
Product height	323 millimetre
Product width	97 millimetre
Product weight	5.2 kilogram
Certifications	UL File No.: E192040 UL Certified by UL for use in Canada IEC/EN 61800-3 UL 1283 EN 50178
Product Tradename	DX
Product Type	Accessory
Product Sub Type	Radio interference suppression filter - low
Catalog Notes	low leakage current
Features & Functions	
Number of phases	3
General information	
Accessory/spare part type	Filter
Degree of protection	IP20
Product Category	Accessories
Used with	DG1 DA1
Climatic environmental conditions	
Altitude	Max. 2000 m At higher altitudes observe derating
Ambient operating temperature - max	50 °C
Ambient operating temperature - min	-25 °C
Connection	
Connection type	Screw terminal, PE stud
Electrical rating	
Rated operational current (Ie) - max	100 A
Design verification	
Heat dissipation capacity Pdiss	0 W
Rated operational current for specified heat dissipation (In)	100 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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