



Eaton 271591

Eaton DX Sine filter, three-phase, 500 V + 0% (50/60 Hz) V AC, 16.5 A, For use with: DC1, DA1, DL1, DG1, SVX, SPX

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PRODUCT NAME	Eaton DX Sine filter
CATALOG NUMBER	271591
PRODUCT LENGTH/DEPTH	190 mm
PRODUCT HEIGHT	185 mm
PRODUCT WIDTH	160 mm
PRODUCT WEIGHT	9.4 kg
CERTIFICATIONS	UL 508C IEC/EN61800-3 Certified by UL for use in Canada IEC/EN61800-5 CE UL report applies to both US and Canada CSA-C22.2 No. 14 UL File No.: E300273 UL Category Control No.: NMTR2, NMTR8 UL



Powering Business Worldwide

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USED WITH	DC1 DA1 DM1 DG1
PRODUCT CATEGORY	Accessories
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.
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	Does not apply, since the

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□□□□	eaton-powerxl-da1-installation-manual-mn04020005z-en-us.pdf
□□	eaton-transformers-dx-sine-filter-3d-drawing.eps

PROTECTION OF ASSEMBLIES	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.
FITTED WITH:	PE stud Terminations
ACCESSORY/SPARE PART TYPE	Filter
ALTITUDE	Max. 1000 m Max. 4000 m with current reduction
AMBIENT OPERATING TEMPERATURE - MAX	45 °C
AMBIENT OPERATING TEMPERATURE - MIN	-10 °C
RATED FREQUENCY - MAX	120 Hz
RATED FREQUENCY - MIN	0 Hz
RATED INDUCTANCE	3.07 mH
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	70 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
NUMBER OF PHASES	3

MOUNTING POSITION	Free surrounding areas < 100 mm Standing vertically Suspended horizontally
DUTY FACTOR	100 %
DEGREE OF PROTECTION	IP00
INSULATION CLASS	F
RATED OPERATIONAL VOLTAGE (UE) - MAX	400 V
RATED OPERATIONAL CURRENT (IE) - MAX	16.5 A
OPERATING TEMPERATURE DETAILS	-10 - 45 °C (up to 70 °C with current derating)
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	16.5 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
VOLTAGE RATING - MAX	480 V
VOLTAGE SAG UK	7.5 %
PERMISSIBLE CONNECTION VOLTAGE	Max. 500 V AC (5 - 150 Hz)
SUITABLE FOR	Branch circuits, (UL/CSA)
TIGHTENING TORQUE	1.5 Nm, Screw terminals

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



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