

Eaton 184493

Eaton DX Sine filter, three-phase, 500 V + 0% (50/60 Hz) V AC, 13 A, For use with: DA1, DG1

PRODUCT NAME	Eaton DX All-pole sine filter
CATALOG NUMBER	184493
PRODUCT LENGTH/DEPTH	390 mm
PRODUCT HEIGHT	220 mm
PRODUCT WIDTH	115 mm
PRODUCT WEIGHT	18 kg
COMPLIANCES	CE
CERTIFICATIONS	IEC 61558-1 IEC/EN 61558-2-20-2000 UL 508 CSA-C22.2 No. 14 UL File No.: E219022 UL Category Control No.: NMTR CSA File No.: UL report applies to both US and Canada
CATALOG NOTES	Differential-mode inductance, common-mode inductance: 7.7 mH

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.

DECLARATIONS OF CONFORMITY	DA-DC-00004507.pdf
	eaton-all-pole-sine-filters-dx-sin3-a-instruction-leaflet-il009001zu.pdf
	eaton-powerxl-da1-installation-manual-mn04020005z-en-us.pdf
	eaton-chokes-dx-sine-filter-3d-drawing-003.eps

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.
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	3.2 mH
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	120 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	13 A
OPERATING TEMPERATURE DETAILS	-10 - 45 °C (up to 70 °C with current derating)
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	13 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
VOLTAGE SAG UK	6.5 %
PERMISSIBLE CONNECTION VOLTAGE	Max. 500 V AC (5 - 150 Hz)
TIGHTENING TORQUE	1.2 Nm

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

:



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