

Specifications



Eaton 174612

Eaton DX Radio interference suppression filter, three-phase, low leakage current, ULN= max. 520 + 10% V, 130 A, For use with: DA1

General specifications

PRODUCT NAME	Eaton DX Radio interference suppression filter - low
CATALOG NUMBER	174612
MODEL CODE	DX-EMC34-130-L
EAN	4015081710676
PRODUCT LENGTH/DEPTH	151 mm
PRODUCT HEIGHT	323 mm
PRODUCT WIDTH	97 mm
PRODUCT WEIGHT	5.6 kg
CERTIFICATIONS	EN 50178 IEC/EN 61800-3 UL 1283 UL File No.: E192040 UL Certified by UL for use in Canada
CATALOG NOTES	low leakage current

Climatic environmental conditions

ALTITUDE	Max. 2000 m At higher altitudes observe derating
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AMBIENT OPERATING TEMPERATURE - MAX	50 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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Connection

CONNECTION TYPE	Screw terminal, PE stud
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Design verification

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 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	Does not apply, since the

Electrical rating

RATED OPERATIONAL CURRENT (IE) - MAX	130 A
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AGAINST ELECTRIC SHOCK	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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	90 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	130 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Features & functions

NUMBER OF PHASES	3
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General information

ACCESSORY/SPARE PART TYPE	Filter
DEGREE OF PROTECTION	IP20
PRODUCT CATEGORY	Accessories
USED WITH	DA1 DG1

Resources

CATALOGUES [eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf](#)

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

DECLARATIONS OF CONFORMITY

[eaton-accessory-declaration-of-conformity-eu250588en.pdf](#)

[eaton-accessory-declaration-of-conformity-uk251071en.pdf](#)

DRAWINGS

[eaton-regulating-equipment-options-suppressor-dx-accessory-3d-drawing.eps](#)

[eaton-fc-options-emc-filter-dx-emc34-100-130-l-dimensions-8240dim-158.eps](#)

ECAD MODEL

[DA-CE-ETN.DX-EMC34-130-L](#)

INSTALLATION INSTRUCTIONS

[IL04012018Z.pdf](#)

MANUALS AND USER GUIDES

[eaton-powerxl-da1-installation-manual-mn04020005z-en-us.pdf](#)

[MN040002_EN](#)

MCAD MODEL

[eaton-accessories-mcad-drawings-dx-emc34-130.dwg](#)

[dx_emc34_130.stp](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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