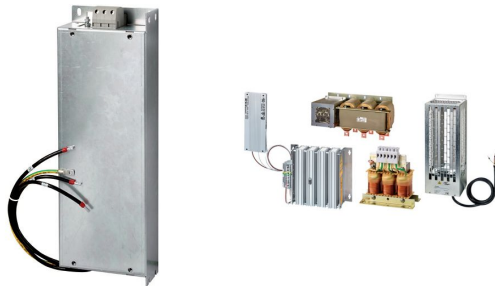


Specifications



Photo is representative



Eaton 174608

Eaton DX EMC filter for frequency converter,
3-phase 520 V, 31 A

General specifications

PRODUCT NAME	Eaton DX Radio interference suppression filter - low
CATALOG NUMBER	174608
MODEL CODE	DX-EMC34-031-FS4-L
EAN	4015081710638
PRODUCT LENGTH/DEPTH	240 mm
PRODUCT HEIGHT	500 mm
PRODUCT WIDTH	110 mm
PRODUCT WEIGHT	4 kg
CERTIFICATIONS	EN 50178 IEC/EN 61800-3
CATALOG NOTES	low leakage current

Climatic environmental conditions

ALTITUDE	Max. 2000 m At higher altitudes observe derating
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Connection

CONNECTION TYPE	Connection terminal, PE stud, prefabricated cables
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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

31 A

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.
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	31 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 IP00 IP20, when connected
PRODUCT CATEGORY	Accessories
USED WITH	DA1 DC1 DG1 DM1

Resources

CATALOGUES

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

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

DECLARATIONS OF CONFORMITY

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

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

DRAWINGS

[eaton-fc-options-emc-filter-dx-emc34-031-fs4-l-dimensions-8240dim-154.eps](#)

[eaton-regulating-equipment-options-dx-accessory-3d-drawing-010.eps](#)

ECAD MODEL

[DA-CE-ETN.DX-EMC34-031-FS4-L](#)

INSTALLATION INSTRUCTIONS

[IL04012017Z](#)

MCAD MODEL

[eaton-accessories-mcad-drawings-dx-emc34-031-fs4.dwg](#)

[dx_emc34_031_fs4.stp](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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