

Specifications



Eaton 172289

Eaton DX Radio interference suppression filter, three-phase, ULN= max. 520 + 10% V, 400 A, For use with: DA1

General specifications

PRODUCT NAME	Eaton DX Radio interference suppression filter
CATALOG NUMBER	172289
MODEL CODE	DX-EMC34-400
EAN	4015081688494
PRODUCT LENGTH/DEPTH	285 mm
PRODUCT HEIGHT	380 mm
PRODUCT WIDTH	185 mm
PRODUCT WEIGHT	12.9 kg
CERTIFICATIONS	EN 50178 UL File No.: E192040 UL 1283 Certified by UL for use in Canada IEC/EN 61800-3 UL

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	Flat copper bar, 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

400 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)	400 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Features & functions	
NUMBER OF PHASES	3

General information	
ACCESSORY/SPARE PART TYPE	Filter
DEGREE OF PROTECTION	IP20 IP00
PRODUCT CATEGORY	Accessories
USED WITH	DA1 DG1

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-regulating-equipment-options-suppressor-dx-accessory-3d-drawing-003.eps eaton-fc-options-emc-filter-dx-emc34-400-dimensions-8240dim-162.eps
ECAD MODEL	DA-CE-ETN.DX-EMC34-400
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-emc34-400.dwg dx_emc34_400.stp

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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