

Specifications



Eaton 172285

Eaton DX Radio interference suppression filter, three-phase, ULN= max. 520 + 10% V, 100 A, For use with: DA1

General specifications

PRODUCT NAME	Eaton DX Radio interference suppression filter
CATALOG NUMBER	172285
MODEL CODE	DX-EMC34-100
EAN	4015081688456
PRODUCT LENGTH/DEPTH	151 mm
PRODUCT HEIGHT	323 mm
PRODUCT WIDTH	97 mm
PRODUCT WEIGHT	5.2 kg
CERTIFICATIONS	Certified by UL for use in Canada EN 50178 IEC/EN 61800-3 UL UL 1283 UL File No.: E192040

Climatic environmental conditions

ALTITUDE	At higher altitudes observe derating Max. 2000 m
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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

100 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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	60 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	100 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-uk251071en.pdf](#)

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

DRAWINGS

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

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

ECAD MODEL

[DA-CE-ETN.DX-EMC34-100](#)

INSTALLATION INSTRUCTIONS

[IL04012018Z.pdf](#)

MANUALS AND USER GUIDES

[MN040002_EN](#)

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

MCAD MODEL

[eaton-accessories-mcad-drawings-dx-emc34-100.dwg](#)

[dx_emc34_100.stp](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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