

Specifications



Eaton 172281

Eaton DX Radio interference suppression filter, three-phase, ULN= max. 520 + 10% V, 25 A, For use with: DC1, DA1

General specifications

PRODUCT NAME	Eaton DX Radio interference suppression filter
CATALOG NUMBER	172281
MODEL CODE	DX-EMC34-025-FS3
EAN	4015081688425
PRODUCT LENGTH/DEPTH	155 mm
PRODUCT HEIGHT	310 mm
PRODUCT WIDTH	60 mm
PRODUCT WEIGHT	3.5 kg
CERTIFICATIONS	EN 50178 IEC/EN 61800-3

Climatic environmental conditions

ALTITUDE

At higher altitudes observe
derating
Max. 2000 m

Connection

CONNECTION TYPE

Connection terminal, PE
stud, prefabricated cables

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

25 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)	25 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 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-eu250588en.pdf](#)

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

DRAWINGS

[eaton-regulating-equipment-options-dx-accessory-3d-drawing-009.eps](#)

[eaton-fc-options-emc-filter-dx-emc34-025-fs3-l-dimensions-8240dim-153.eps](#)

ECAD MODEL

[DA-CE-ETN.DX-EMC34-025-FS3](#)

INSTALLATION INSTRUCTIONS

[IL04012017Z](#)

MCAD MODEL

[dx_emc34_025_fs3.stp](#)

[eaton-accessories-mcad-drawings-dx-emc34-025-fs3.dwg](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

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