Specifications

Eaton 184509



Catalog Number: 184509

Eaton DX Radio interference suppression filter, three-phase, low leakage current, ULN= max. 520 + 10% V, 42 A, For use with: DC1, DA1, DG1

General specifications

Product Name
Eaton DX Radio interference suppression filter - low

Catalog Number
184509

EAN
4015081785483

Product Length/Depth
310 mm

Product Height
95 mm

Product Width
55 mm

Product Weight
2.1 kg

Certifications
UL
UL 1283
Certified by UL for use in Canada
UL File No.: E192040
IEC/EN 61800-3
EN 50178

Catalog Notes
low leakage current

Powering Business Worldwide

Product specifications

Used with

DC1

DA1

DM1

DG1

Phase

Three-phase

Product Category

Accessories

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

Resources

Catalogs

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

Product Range Catalog Drives Engineering

Declarations of conformity

DA-DC-00004606.pdf

Drawings

eaton-regulating-equipment-options-dx-accessory-3d-drawing-006.eps

eCAD model

DA-CE-ETN.DX-EMC34-042-L

Installation instructions

IL04012018Z

Manuals and user guides

MN040002_EN

MN04020003Z_EN

MN04020005Z_EN

mCAD model

dx_emc34_042.stp

dx_emc34_042.dwg

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 against electric shock

Does not apply, since the 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.

Accessory/spare part type

Filter

Altitude

At higher altitudes observe derating
Max. 2000 m

Ambient operating temperature - max

50 °C

Ambient operating temperature - min

-25 °C

Equipment heat dissipation, current-dependent Pvid

22 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Number of phases

3

Mains voltage tolerance

Max. 520 V (+10 %)

Connection type

Screw terminal, PE stud

Degree of protection

IP20

Mounting method

Separate mounting

Rated operational current (Ie) - max

42 A

Rated operational current for specified heat dissipation (In)

42 A

Static heat dissipation, non-current-dependent Pvs

0 W

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