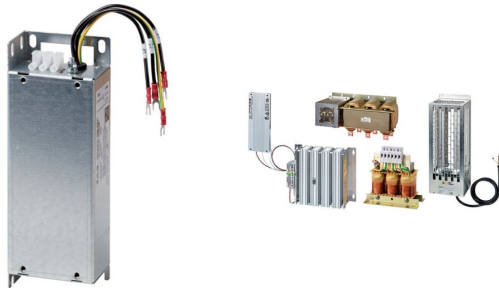


# Specifications



Photo is representative



## Eaton 174606

Eaton DX EMC filter for frequency converter,  
3-phase 520 V, 15 A

### General specifications

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton DX Radio interference suppression filter - low |
| <b>CATALOG NUMBER</b>       | 174606                                               |
| <b>MODEL CODE</b>           | DX-EMC34-015-FS3-L                                   |
| <b>EAN</b>                  | 4015081710614                                        |
| <b>PRODUCT LENGTH/DEPTH</b> | 155 mm                                               |
| <b>PRODUCT HEIGHT</b>       | 310 mm                                               |
| <b>PRODUCT WIDTH</b>        | 60 mm                                                |
| <b>PRODUCT WEIGHT</b>       | 3 kg                                                 |
| <b>CERTIFICATIONS</b>       | IEC/EN 61800-3<br>EN 50178                           |
| <b>CATALOG NOTES</b>        | low leakage current                                  |

## Climatic environmental conditions

|                 |                                                        |
|-----------------|--------------------------------------------------------|
| <b>ALTITUDE</b> | Max. 2000 m<br>At higher altitudes observe<br>derating |
|-----------------|--------------------------------------------------------|

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## Connection

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| <b>CONNECTION TYPE</b> | Connection terminal, PE<br>stud, prefabricated cables |
|------------------------|-------------------------------------------------------|

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## Design verification

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Meets the product standard's requirements.                                                                                       |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Meets the product standard's requirements.                                                                                       |
| <b>10.5 PROTECTION</b>                                                                  | Does not apply, since the                                                                                                        |

## Electrical rating

|                                             |      |
|---------------------------------------------|------|
| <b>RATED OPERATIONAL CURRENT (IE) - MAX</b> | 15 A |
|---------------------------------------------|------|

|                                                                      |                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>AGAINST ELECTRIC SHOCK</b>                                        | entire switchgear needs to be evaluated.                           |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>        | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>             | Is the panel builder's responsibility.                             |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                      | Is the panel builder's responsibility.                             |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                      | Is the panel builder's responsibility.                             |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                              | Is the panel builder's responsibility.                             |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>      | Is the panel builder's responsibility.                             |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 15 A                                                               |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                                                |

## Features & functions

|                         |   |
|-------------------------|---|
| <b>NUMBER OF PHASES</b> | 3 |
|-------------------------|---|

## General information

|                                  |                                      |
|----------------------------------|--------------------------------------|
| <b>ACCESSORY/SPARE PART TYPE</b> | Filter                               |
| <b>DEGREE OF PROTECTION</b>      | IP20, when connected<br>IP00<br>IP20 |
| <b>PRODUCT CATEGORY</b>          | Accessories                          |
| <b>USED WITH</b>                 | DA1<br>DC1<br>DE1<br>DG1<br>DM1      |

## 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-eu250588en.pdf](#)

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

DRAWINGS

[eaton-fc-options-emc-filter-dx-emc34-015-fs3-l-dimensions-8240dim-152.eps](#)

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

ECAD MODEL

[DA-CE-ETN.DX-EMC34-015-FS3-L](#)

INSTALLATION INSTRUCTIONS

[IL04012017Z](#)

MCAD MODEL

[dx\\_emc34\\_015\\_fs3.stp](#)

[eaton-accessories-mcad-drawings-dx-emc34-015-fs3.dwg](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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