



## EMC filter for variable frequency drives, 1~ at 480V, 30A

**Part no.** DX-EMC34-025-FS3  
**Article no.** 172281  
**Catalog No.** DX-EMC34-025-FS3

## Delivery program

|                           |          |    |                                                    |
|---------------------------|----------|----|----------------------------------------------------|
| Description               |          |    | three-phase                                        |
| Mains voltage (50/60Hz)   | $U_{LN}$ | V  | max. 520 + 10%                                     |
| Rated operational current | $I_e$    | A  | 25                                                 |
| For use with              |          |    | DC1, DA1                                           |
| Degree of Protection      |          |    | IP00<br>IP20 when connected                        |
| Connection type           |          |    | Connection terminal, PE stud, prefabricated cables |
| Weight                    | m        | kg | 3,5                                                |
| Notes                     |          |    | Base-mounted filter, side-mounting filter          |

## Technical data

### General

|                          |  |   |                                                          |
|--------------------------|--|---|----------------------------------------------------------|
| Standards                |  |   | EN 50178, IEC 61800-3, EN 61800-3 incl. A11              |
| Environmental conditions |  |   |                                                          |
| Altitude                 |  | m | Up to 2000 m a.s.l.; observe drating at higher altitudes |
| Degree of Protection     |  |   | IP00<br>IP20 when connected                              |

## Design verification as per IEC/EN 61439

|                                                                                                                        |  |  |                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------|
| Technical data for design verification                                                                                 |  |  |                                                                                                                                  |
| Degree of Protection                                                                                                   |  |  | IP20                                                                                                                             |
| IEC/EN 61439 design verification                                                                                       |  |  |                                                                                                                                  |
| 10.2 Strength of materials and parts                                                                                   |  |  |                                                                                                                                  |
| 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 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 Insulation properties                                                                                             |  |  |                                                                                                                                  |
| 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.                                                                                           |
| 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.                                   |

## Technical data ETIM 6.0

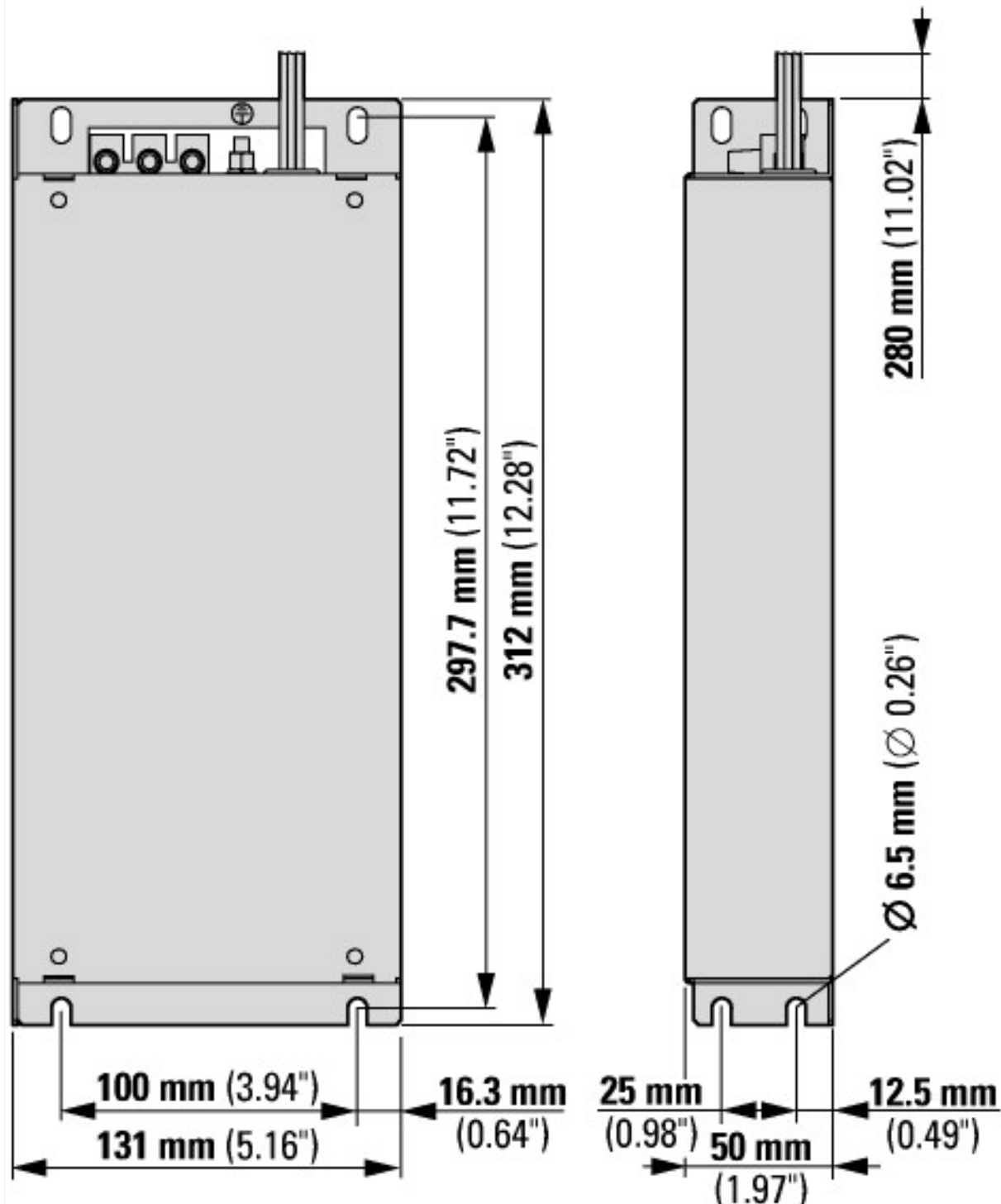
Low-voltage industrial components (EG000017) / Accessories for frequency controller (EC002025)

Electric engineering, automation, process control engineering / Electrical drive / Electrical drive (accessories) / Frequency controller (accessories) (ecl@ss8.1-27-02-92-01 [ACN127008])

Type of accessory

Filter

## Dimensions



## Additional product information (links)

IL04012017Z\*.pdf EMC filter

IL04012017Z\*.pdf EMC filter

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL04012017Z2014\\_04.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04012017Z2014_04.pdf)

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