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EU DECLARATION OF CONFORMITY

Danfoss A/S

Danfoss Drives

Declares under our sole responsibility that the

Product category: Frequency Converter

Type designation(s): FC-302XXXXZZ*****

Character X: N or P

Character YYY: K25, K37, K55, K75, 1K1, 1K5, 2K2, 3K0, 3K7, 4K0, 5K5, 7K5, 11K, 15K, 18K, 22K, 30K, 37K, 45K, 55K, 75K, 90K, 110, 132, 150, 160, 200, 250, 315, 355, 400, 450, 500, 560, 630, 710.

Character ZZ: T2, T5, T6, T7

* may be any number or letter indicating drive options which do not impact this DoC.

The product covered by this declaration is designed and manufactured in compliance with the following directive(s), standard(s), and other relevant normative document(s), provided it is installed and used as specified by the manufacturer.

Low Voltage Directive (LVD) (2014/35/EU)

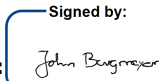
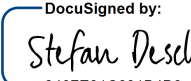
EN IEC 61800-5-1:2007+A1:2017+A11:2021 Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy.

Electromagnetic Compatibility Directive (EMC) (2014/30/EU)

EN IEC 61800-3:2023 Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods.

Machinery Directive (MD) (2006/42/EU)

EN 61800-5-2:2017 Adjustable speed electrical power drive systems - Part 5-2: (Safe Torque Off, SIL 2 Capability) Safety requirements – Functional.

Date: 24 June 2026 Place of issue: Graasten, DK	Issued by Signed by: Signature:  Name: John Bargmeyer Title: Product Owner	Date: 24. Juni 2026 Place of issue: Graasten, DK	Approved by DocuSigned by: Signature:  Name: Stefan Desch Title: Vice President
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Danfoss only vouches for the correctness of the English version of this declaration. In the event of the declaration being translated into any other language, the translator concerned shall be liable for the correctness of the translation



Other standards considered:

EN ISO 13849-1:2015	Safety of machinery - Safety-related parts of control systems – Part 1: General principles for design (Category 3 / PL d)
EN 61508 Parts 1-2:2010 (STO, SIL 2 capability)	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 1: General requirements Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems

RoHS Directive (2011/65/EU) & RoHS Commission Delegated Directive (2015/863/EU)

EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.
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Ecodesign Directive (2009/125/EC) & Ecodesign Commission Regulation (2019/1781/EU)

EN IEC 61800-9-2:2025	Adjustable speed electrical power drive systems (PDS) - Part 9-2: Ecodesign for motor systems - Energy efficiency determination and classification
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Packaging and packaging waste Regulation (PPWR) (2025/40/EU)

The packaging complies with the requirements of Packaging and packaging waste Regulation (PPWR) (2025/40/EU), specifically Articles 5–12 covering:

- Chemical content restrictions
- Recyclability
- Recycled content
- Packaging minimization
- Labelling requirements

For products including ATEX option, it requires STO function in the products. The products can have the VLT PTC Thermistor Card MCB112 installed from factory (**2 at character 32 in the typecode**), or it can be separately installed as an additional part.

Potentially Explosive Atmospheres Directive (ATEX) (2014/34/EU)

EN 50495:2010	Safety devices required for safe functioning of equipment with respect to explosion risks.
EN IEC 60079-0:2018	Equipment – General requirements

Notified Body:
PTB Physikalisch-Technische Bundesanstalt, Bundesallee 100, 38116 Braunschweig,
has assessed the conformity of the "ATEX certified motor thermal protection systems" of
Danfoss FC VLT Drives with Safe Torque Off function and has issued the certificate PTB 14
ATEX 3009-A1.
Notified Body no. (PQAN): 0539



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Additional information

Harmonised standards, the references of which are published in the Official Journal of the European Union, have been applied:

EN 61800-5-1:2007/A1:2017/A11:2021	Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy.
EN 61800-3:2004/A1:2012	Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods.
EN 61800-5-2:2007	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements – Functional.