EU DECLARATION OF CONFORMITY
Danfoss A/S
Danfoss Drives

declares under our sole responsibility that the

Product category: Frequency Converter

Type designation(s): FC-302XYYYZZ***************
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, 800, 900, 1M0, 1M2
Character ZZ: T2, T5, T6, T7
* may be any number or letter indicating drive options which do not impact this DoC.
The meaning of the 39 characters in the type code string can be found in appendix 00729776.

Covered by this declaration is in conformity with the following directive(s), regulation(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

Low Voltage Directive 2014/35/EU

EMC Directive 2014/30/EU

EN IEC63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
EN61800-9-2:2017
Adjustable speed electrical power drive systems - Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications - Energy efficiency indicators for power drive systems and motor starters.

For products including available Safe Torque Off (STO) function according to unit typecode on the nameplate: X, B or R at character 18 of the typecode. The following directives apply:

**Machine Directive 2006/42/EC**
EN/IEC 61800-5-2:2007
(Safe Stop function conforms with STO – Safe Torque Off, SIL 2 Capability)
Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional

**Other standards considered:**
EN ISO 13849-1:2015
(Safe Stop function, PL d
(MTTFd=14000 years, DC=90%, Category 3)
(Safe Stop function, SIL 2 (PFH = 1E-10/h, 1E-8/h for specific variants, PFD = 1E-10, 1E-4 for specific variants, SFF>99%, HFT=0))
(Safe Stop function, SIL CL 2)
(Stop Category 0)
Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design

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 installe as an additional part.

**2014/34/EU - Equipment for explosive atmospheres (ATEX)**
EN50049: 2010
Safety devices required for safe functioning of equipment with respect to explosion risks.

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.
The assembly covered by the certificate PTB 14 ATEX 3009 have been evaluated internally at Danfoss to be in compliance with 2014/34 EU.