EU DECLARATION OF CONFORMITY

Danfoss A/S
Danfoss Drives A/S

declares under our sole responsibility that the

Product category: Frequency Converter

Type designation(s): FC-301PXXXYY***********

Where:
Character XXX: K25, K37, K55, K75, 1K1, 1K5, 2K2, 3K0, 3K7, 4K0, 5K5, 7K5, 11K, 15K, 18K, 22K, 30K, 37K, 45K, 55K, 75K
Character YY: T2, T4
* 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), 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

EN50581: 2012 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Date: 2019.07.01
Place of issue: Graasten, DK
Signature: [Signature]
Name: Leo B. Lauritsen
Title: Head of P400 Group

Date: 2019.07.01
Place of issue: Graasten, DK
Approved by: [Signature]
Name: Michael Termansen
Title: VP, Design Center Denmark

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.
For products including available Safe Torque Off (STO) function according to unit typecode on the nameplate: T at character 18 of the typecode.

**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**

**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**
- **Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems**
- **Safety of machinery - Electrical equipment of machines - Part 1: General requirements**

Further information can be found in manufacturers declarations:

EU Declaration of conformity 00730213 A.1, 00730215 A.1 and 00730217 A.1 or newer / Manufacturers declaration 00596226 A.9 or newer.