



Danfoss A/S

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Denmark
CVR nr.: 20 16 57 15

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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): FCD302PXXXT4*****

Character XXX: K37, K55, K75, 1K1, 1K5, 2K2, 3K0

* 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

EN61800-5-1:2007 + A1:2017

Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy.

EMC Directive 2014/30/EU

EN61800-3:2004 + A1:2012

Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods.

RoHS Directive 2011/65/EU including amendment 2015/863.



EN IEC 63000:2018

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

Commission Regulation (EU) 2019/1781 under the Ecodesign Directive 2009/125/EC including amendment in Commission Regulation (EU) 2021/341

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.

Date: 2021.11.12 Place of issue: Graasten, DK	Issued by Signature:  Name: Martin Skov Holm Title: Head of PM - EU	Date: 2020.11.12 Place of issue: Graasten, DK	Approved by Signature:  Name: Michael Quitzau Title: Head of PM&D, Denmark
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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

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)

EN/IEC 61508-1:2010, EN/IEC 61508-2:2010

(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))

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

EN/IEC 62061:2005 + A1:2013

(Safe Stop function, SILCL 2)

Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems

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.



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Electrical Equipment (Safety) Regulations 2016



BS EN61800-5-1:2007 + A1:2017 Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy.

Electromagnetic Compatibility Regulations 2016

BS EN61800-3:2004 + A1:2012 Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods.

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 as amended

BS 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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BS 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.

Supply of Machinery (Safety) Regulations 2008

BS 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:

BS EN ISO 13849-1:2015

(Safe Stop function, PL d

(MTTFd=14000 years, DC=90%, Category 3)

BS EN/IEC 61508-1:2010, EN/IEC 61508-2:2010

(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))

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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

BS EN/IEC 62061:2005 + A1:2013

(Safe Stop function, SILCL 2)

Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems

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