

**Danfoss A/S**6430 Nordborg
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 **VACON® 100 X AC drives**

Product category: Frequency Converter

Type designation(s): VACON0100-3L XXXX-Y-Z****

Character X: 0003, 0004, 0005, 0006, 0008, 0009, 0011, 0012, 0016, 0018, 0023, 0024, 0031, 0038, 0046, 0048, 0061, 0062, 0072

Character Y: 2, 4, 5

Character Z: X

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

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]

EN 61800-5-1:2007

EN 61800-5-1:2007+A1:2017

EN 61800-5-1:2007+A11:2021

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

EMC Directive [2014/30/EU]

EN 61800-3:2004

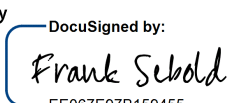

EN 61800-3:2004+A1:2012

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

Date: 2023.07.11 Place of issue: Bruchsal	Issued by  DocuSigned by: Signature: EE067E97B159455... Name: Frank Sebold Title: Product Manager	Date: 2023.07.11 Place of issue: Helsinki	Approved by  DocuSigned by: Signature: 873CADA0558F43A... Name: Jussi Sihvola Title: Head of Performance Products
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Commission Regulation (EU) 2019/1781 under the Ecodesign Directive 2009/125/EC including amendment in Commission Regulation (EU) 2021/341

EN IEC 61800-9-2:2017

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.

Machinery Directive 2006/42/EC

EN 61800-5-2:2007

(Safe Stop function conforms with STO
– Safe Torque Off, SIL 3 Capability)

Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional

Other standards considered:

EN 60204-1:2018

(Stop Category 0)

Safety of machinery - Electrical equipment of machines Part1: General requirements

EN ISO 13849-1:2015

(STO up to PL e / Cat.4)

Safety of machinery. Safety-related parts of control systems. Part 1: General principles for design

EN 61508 Parts 1-7:2010

(STO up to PL e and SIL 3 / SILCL3)

Functional safety of electrical/ electronic/ programmable electronic safety-related systems

EN 62061:2005+A1:2013+A2:2015

(STO up to PL e and SIL 3 / SILCL3)

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

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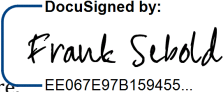
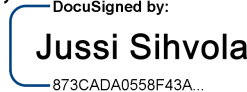
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Electrical Equipment (Safety) Regulations 2016

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

Electromagnetic Compatibility Regulations 2016

BS EN 61800-3:2004 Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods
BS EN 61800-3:2004+A1:2012

Date: 2023.07.11 Place of issue: Bruchsal	Issued by DocuSigned by:  Signature: EE067E97B159455... Name: Frank Sebold Title: Product Manager	Date: 2023.07.11 Place of issue: Helsinki	Approved by DocuSigned by:  Signature: 873CADA0558F43A... Name: Jussi Sihvola Title: Head of Performance Products
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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

UK Statutory Instrument 2021 No 745: The Ecodesign for Energy-Related Products and Energy Information Regulations 2021, Chapter 6 & Schedules 16-18.

BS EN IEC 61800-9-2:2017

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 61800-5-2:2007

(Safe Stop function conforms with STO
– Safe Torque Off, SIL 3 Capability)

Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional

Other standards considered:

BS EN 60204-1:2018

(Stop category 0)

Safety of machinery - Electrical equipment of machines Part1: General requirements

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