

**Danfoss A/S**

6430 Nordborg

Denmark

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## EU DECLARATION OF CONFORMITY

**Danfoss A/S**

Danfoss Drives

declares under our sole responsibility that the **iC7 Series Air-cooled System Modules and Enclosed Drives**

**Product category:** Drive units

**Type designation(s): iC7-60xAyy05-zzzzEwwFp+\*\*\*\*\***

Character x: S or E.

Character yy: 3A, 3H, GC or IN.

Character zzzz: 317A, 385A, 400A, 480A, 514A, 580A, 590A, 650A, 658A, 730A, 816A, 820A, 880A, 920A, 1000, 1030, 1100, 1210, 1260, 1410, 1450, 1630, 1710, 1760, 1860, 1960, 2120, 2150, 2340, 2450, 2510, 2640, 2800, 2880, 3060, 3270, 3280, 3420, 3600, 3650, 4060, 4080, 4320, 4500, 4870, 4900, 5300, 5700, 6100, 6500

Character ww: 00, 21 or 54.

Character p: 3 or 4.

Character \*: Options

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

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

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

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

EN 62477-1:2012

Safety requirements for power electronic converter systems and equipment - Part 1: General

EN 62477-1:2012+A11:2014

EN 62477-1:2012+A1:2017

EN 62477-1:2012+A12:2021

**EMC Directive [2014/30/EU]**

EN 61800-3:2004

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

EN 61800-3:2004+A1:2012

Date: 2024.10.02 Place of issue: Vaasa	Issued by <b>Kaj Rolander</b> Signature: 648EDA550CDB499... Name: Kaj Rolander Title: Product Owner	DocuSigned by: <b>Jari Marjo</b> Signature: A614AA2339E943D... Name: Jari Marjo Title: Head of System Products
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ID No: 00773634

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Classified as Business

**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**

EN 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] (Applicable for drives equipped with +BEF2)**

EN 61800-5-2:2007

(STO, SS1-t up to SIL 3 capability)

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

**Other standards considered:**

EN 61439-1:2011

(Enclosure Section)

Low-voltage switchgear and controlgear assemblies - Part 1: General rules

EN 61439-2:2011

(Enclosure Section)

Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies

Drives equipped with +BEF2. The following apply:

EN 60204-1:2018

(Stop category 0)

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

EN ISO 13849-1:2015

(Category 3 / PL e)

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

EN 61508 Parts 1-3:2010

(STO, SS1-t up to SIL 3 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

Part 3: Software requirements

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Fax: +45 7449 0949**UK DECLARATION OF CONFORMITY****Danfoss A/S**

Danfoss Drives

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Character \*: Options

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.

**Electrical Equipment (Safety) Regulations 2016**

BS EN 61800-5-1:2007

Adjustable speed electrical power drive systems – Part 5-1: Safety

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

requirements – Electrical, thermal and energy

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

BS EN 62477-1:2012

Safety requirements for power electronic converter systems and

BS EN 62477-1:2012+A11:2014

equipment - Part 1: General

BS EN 62477-1:2012+A1:2017

BS EN 62477-1:2012+A12:2021

Date: 2024.10.02  
Place of issue: Vaasa

Issued by

DocuSigned by:

**Kaj Rolander**

Signature:

648EDA550CDB499...

Name: Kaj Rolander

Title: Product Owner

Date: 2024.10.02  
Place of issue:  
Helsinki

Approved by

DocuSigned by:

**Jari Marjo**

Signature:

A614AA2339E943D...

Name: Jari Marjo

Title: Head of System Products

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### **Electromagnetic Compatibility Regulations 2016**

BS EN 61800-3:2004	Adjustable speed electrical power drive systems - Part 3: EMC
BS EN 61800-3:2004+A1:2012	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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### **UK Statutory Instrument 2021 No 745: The Ecodesign for Energy-Related Products and Energy Information Regulations 2021, Chapter 6 & Schedules 16-18.**

BS EN 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.
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### **Supply of Machinery (Safety) Regulations 2008 (Applicable for drives equipped with +BEF2)**

BS EN 61800-5-2:2007 (STO, SS1-t up to SIL 3 capability)	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional
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### **Other standards considered:**

BS EN 61439-1:2011 (Enclosure Section)	Low-voltage switchgear and controlgear assemblies - Part 1: General rules
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BS EN 61439-2:2011 (Enclosure Section)	Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies
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Drives equipped with +BEF2. The following apply:

BS EN 60204-1:2018 (Stop category 0)	Safety of machinery - Electrical equipment of machines Part1: General requirements
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BS EN ISO 13849-1:2015 (Category 3 / PL e)	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design
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BS EN 61508 Parts 1-3:2010 (STO, SS1-t up to SIL 3 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 Part 3: Software requirements
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