



**Danfoss A/S**

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# EU DECLARATION OF CONFORMITY

## Danfoss A/S

### Danfoss Drives

declares under our sole responsibility that the product **VLT® Multi Axis Servo Drive MSD510**

**Product category:** Frequency converters

**Type designation(s):**

MSD510PSM510F2P10C0D6E20XXXXXXXXXXXXXXXXXX, MSD510PSM510F2P20C0D6E20XXXXXXXXXXXXXXXXXX,  
MSD510PSM510F2P30C0D6E20XXXXXXXXXXXXXXXXXX, MSD510DAM510F1C015AD6E20XXXXXXXXXXXXXXXXXX,  
MSD510DAM510F1C025AD6E20XXXXXXXXXXXXXXXXXX, MSD510SDM511SAF1C02A5D6E20XXXXXXXXXXXXXXXXXX,  
MSD510SDM511SAF1C005AD6E20XXXXXXXXXXXXXXXXXX, MSD510SDM511SAF1C010AD6E20XXXXXXXXXXXXXXXXXX,  
MSD510SDM511SAF1C020AD6E20XXXXXXXXXXXXXXXXXX, MSD510SDM511SAF2C040AD6E20XXXXXXXXXXXXXXXXXX,  
MSD510SDM512DAF1C02A5D6E20XXXXXXXXXXXXXXXXXX, MSD510SDM512DAF1C005AD6E20XXXXXXXXXXXXXXXXXX,  
MSD510SDM512DAF1C010AD6E20XXXXXXXXXXXXXXXXXX.

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 IEC63000:2018

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

Date: 2021.05.25 Place of issue:	Issued by	Date: 2021.05.25 Place of issue:	Approved by
Bruchsal, DE	Signature:  Name: Christian Schröder Title: Head of PM Motion Drives	Merano, IT	Signature:  Name: Andrea Perin Title: Head of Motion Unit

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/EU**

EN61800-5-2: 2017

Adjustable speed electrical power drives systems – Part 5-2:  
Safety requirements - Functional.

Other standards considered:

EN ISO 13849-1:2015

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

IEC 61508-1:2010

Functional safety of electrical/electronic/ programmable  
electronic safety-related systems.  
Part 1: General requirements

IEC 61508-2:2010

Functional safety of electrical/electronic/ programmable  
electronic safety-related systems  
Part 2: Requirements for electrical/ electronic /  
programmable electronic safety-related systems.

EN62061:2005 + Cor.:2010  
+ A1:2013 + A2:2015

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





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# UK DECLARATION OF CONFORMITY

## Danfoss A/S

### Danfoss Drives

declares under our sole responsibility that the product **VLT® Multi Axis Servo Drive MSD510**

**Product category:** Frequency converters

**Type designation(s):**

MSD510PSM510F2P10C0D6E20XXXXXXXXXXXXXXXXXX, MSD510PSM510F2P20C0D6E20XXXXXXXXXXXXXXXXXX,  
MSD510PSM510F2P30C0D6E20XXXXXXXXXXXXXXXXXX, MSD510DAM510F1C015AD6E20XXXXXXXXXXXXXXXXXX,  
MSD510DAM510F1C025AD6E20XXXXXXXXXXXXXXXXXX, MSD510SDM511SAF1C02A5D6E20XXXXXXXXXXXXXXXXXX,  
MSD510SDM511SAF1C005AD6E20XXXXXXXXXXXXXXXXXX, MSD510SDM511SAF1C010AD6E20XXXXXXXXXXXXXXXXXX,  
MSD510SDM511SAF1C020AD6E20XXXXXXXXXXXXXXXXXX, MSD510SDM511SAF2C040AD6E20XXXXXXXXXXXXXXXXXX,  
MSD510SDM512DAF1C02A5D6E20XXXXXXXXXXXXXXXXXX, MSD510SDM512DAF1C005AD6E20XXXXXXXXXXXXXXXXXX,  
MSD510SDM512DAF1C010AD6E20XXXXXXXXXXXXXXXXXX.

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 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.

Date: 2021.05.25 Place of issue:  Bruchsal, DE	Issued by   <b>Signature:</b> <b>Name: Christian Schröder</b> <b>Title: Head of PM Motion Drives</b>	Date: 2021.05.25 Place of issue:  Merano, IT	Approved by   <b>Signature:</b> <b>Name: Andrea Perin</b> <b>Title: Head of Motion Unit</b>
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**Supply of Machinery (Safety) Regulations 2008**

BS EN61800-5-2: 2017                      Adjustable speed electrical power drives systems – Part 5-2:  
Safety requirements - Functional.

Other standards considered:

BS EN ISO 13849-1:2015                      Safety of machinery - Safety-related parts of control systems -  
Part 1: General principles for design.

BS IEC 61508-1:2010                      Functional safety of electrical/electronic/ programmable  
electronic safety-related systems.  
Part 1: General requirements

BS IEC 61508-2:2010                      Functional safety of electrical/electronic/ programmable  
electronic safety-related systems  
Part 2: Requirements for electrical/ electronic /  
programmable electronic safety-related systems.

BS EN62061:2005 + Cor.:2010  
+ A1:2013 + A2:2015                      Safety of machinery - Functional safety of safety-related  
electrical, electronic and programmable electronic control  
systems.