

Danfoss A/S6430 Nordborg
Denmark

CVR nr.: 20 16 57 15

Telephone: +45 7488 2222
Fax: +45 7449 0949**EU DECLARATION OF CONFORMITY**

Danfoss A/S
Danfoss Climate Solution CC

declares under our sole responsibility that the

Product category: Variable Frequency Drive

Type designation(s): CDS203 series listed in Annex I

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.

Machinery Directive 2006/42/EC

EN 61800-5-2:2007 [as relevant]	Adjustable speed electrical power drive systems. Part 5-2: Safety requirements – Functional (IEC 61800-5-2:2016).
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LVD Directive 2014/35/EU

EN 61800-5-1:2007 + A1:2017 + A11:2021	Adjustable speed electrical power drive systems. Part 5-1: Safety requirements. Electrical, thermal and energy (IEC 61800-5-1:2007).
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EMC Directive 2014/30/EU

EN 61800-3:2004 + A1:2012	Adjustable speed electrical power drive systems. Part 3: EMC requirements and specific test methods (IEC 61800-3:2017).
EN 61000-3-12:2011	Electromagnetic Compatibility (EMC). Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16A and < 75A per phase (IEC 61000-3-12:2011).
EN 61000-3-2:2014	Electromagnetic Compatibility (EMC). Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) NOTE: Compliance only for the 230V Single Phase Input models and specifically when the input current ≤ 16 A per phase.

Supplementary Notes:

The CDS203 VSDs fulfil the requirements of EN 61000-3-12 without the need for external line reactors according to the THC values specified in Table 3 for values of $Rsce > 185$.

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Eco-design 2009/125/EC& Regulations (EU) 2019/1781 & 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 (IEC 61800-9-2:2017).

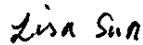
RoHS Directive 2011/65/EU (RoHS) modified by delegated directive 2015/863

EN IEC 63000:2018 Tech documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances (IEC 63000:2016).

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Annex I: CDS203 model list

Frame size 2	200 Volt Single Phase Drives	Heat Sink Versions	CDS203-22P1K5-1FH11
			CDS203-22P3K0-1FH21
			CDS203-22P3K0-1FH31
			CDS203-22P4K0-1FH41
	Cold Plate Versions	Cold Plate Versions	CDS203-22P1K5-1FC11
			CDS203-22P3K0-1FC21
			CDS203-22P3K0-1FC31
			CDS203-22P4K0-1FC41
	400 Volt Three Phase Drives	Heat Sink Versions	CDS203-24P5K5-3FH31
			CDS203-24P5K5-3FH41
			CDS203-24P11K-3FH51
			CDS203-24P11K-3FH61
		Cold Plate Versions	CDS203-24P5K5-3FC31
			CDS203-24P5K5-3FC41
			CDS203-24P11K-3FC51
			CDS203-24P11K-3FC61
Frame size 3, 4	400 Volt Three Phase Drives	Heat Sink Versions	CDS203-34P15K-3FH11
			CDS203-34P18K-3FH21
			CDS203-44P22K-3FH11
			CDS203-44P30K-3FH21
		Cold Plate Versions	CDS203-34P15K-3FC11
			CDS203-34P18K-3FC21
			CDS203-44P22K-3FC11
			CDS203-44P30K-3FC21
			CDS203-44P30K-3FC21

Date: 2024.09.05 Place of issue: 301700 Tianjin China	Issued by  Signature: Name: Yanhui Sun Title: Agency manager	Date: 2024.09.05 Place of issue: ZI.de Reyrieux F-01603 Trévoux Cédex	Approved by  Signature: Name: Fabio Klein Title: CC-S&R Head
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