

**Danfoss A/S**

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EU DECLARATION OF CONFORMITY

Danfoss A/S

Floor Heating and Electronic Controls, Climate Solutions Segment

declares under our sole responsibility that the

Product category: Mixing Shunts for Floor Heating

Type designation(s): 088U0851 FMH-M1 - with one circuit

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.

LVD – Low Voltage Directive (2014/35/EU)

- EN 60335-1:2012 Household and similar electrical appliances - Safety - Part 1: General requirements, including AC:2014, A11:2014 and A13:2017
- EN 60335-2-51:2003 Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations, including A1:2008 and A2:2012
- EN 62233:2008 Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure, including AC:2008
- EN 60730-1:2011 Automatic electrical controls for household and similar use - Part 1: General requirements
- EN 60730-2-9:2010 Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls
- EN 60730-2-14:1997 Automatic electrical controls for household and similar use - Part 2-14: Particular requirements for electric actuators IEC 60730-2-14:1995 (Modified), Including A1:2001 and A2:2008

Date: 2021.11.05 Place of issue: Vejle, DK	Issued by DocuSigned by:  Signature: B6BA8B36DDCC440... Name: Verner Utoft Title: Compliance Specialist	Date: 2021.11.05 Place of issue: Vejle, DK	Approved by DocuSigned by:  Signature: C2473F218F494D3... Name: Tom Toft Kragh Title: Senior Director, DHS RH-D
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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



EMC – Electromagnetic Compatibility Directive (Directive 2014/30/EU)

- EN 55014-1:2006 Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission, including A1:2009 and A2:2011
- EN 55014-2:1997 Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard, including Ac:1997, A1:2001 and A2:2008
- EN 61000-3-2:2014 Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
- EN 61000-3-3:2013 Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
- EN 60730-1:2011 Automatic electrical controls for household and similar use - Part 1: General requirements

ECO-design - Energy related products (Directive 2009/125/EC)

- Commission Regulation (EC) No 641/2009
- Commission Regulation (EC) No 622/2012
- EN 16297-1:2012 Pumps. Rotodynamic pumps. Glandless circulators. General requirements and procedures for testing and calculation of energy efficiency index (EEI)
- EN 16297-2:2012 Pumps. Rotodynamic pumps. Glandless circulators. Calculation of energy efficiency index (EEI) for standalone circulators
- EN 16297-3:2012 Pumps. Rotodynamic pumps. Glandless circulators. Energy efficiency index (EEI) for circulators integrated in products
- $EEI \leq 0.23$

RoHS - Restriction of the use of certain hazardous substances 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

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