

**Danfoss A/S**

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Denmark  
CVR nr.: 20 16 57 15

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**EU DECLARATION OF CONFORMITY**

**Danfoss A/S**  
**Vacon Ltd**

Declares under our sole responsibility that the

**Product category:** Vacon OPT-AF option board to be used with Vacon NXP control board in NX family products.



**Type designation(s):** OPT-AF option board, VB00328J (or newer revision)  
NXP control board, VB00561J (or newer revision)

**Product Safety Functions(s):** Safe Torque Off (STO) and Safe Stop 1 (SS1) (Specified in EN 61800-5-2:2007) at SIL2 and Category 3 / PL d safety levels.

**Marking of the equipment:**  II (2) GD

Covered by this declaration is in conformity with the following directive(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

- All of the relevant safety component requirements of EC Machinery Directive 2006/42/EC and Directive for explosive atmospheres 2014/34/EU.
- EN ISO 13849-1:2015 Safety of machinery – Safety-related parts of the control systems. Part 1: General Principles for design
- EN ISO 13849-2:2013 Safety of machinery – Safety-related parts of the control systems. Part 2: Validation
- EN60204-1:2018 Safety of machinery – Electrical equipment of machines – Part 1: General requirements
- EN61800-5-2: 2017 Adjustable speed electrical power drive systems – Part 2\_ safety requirements – Functional

Date: 2023.05.04 Place: Vaasa	<b>Issued by</b>  <b>Signature:</b> Pradeep Kumar Krishnamoorthy <b>Title:</b> Technical Product Owner	Date: 2023.05.05 Place: Vaasa	<b>Approved by</b>  <b>Signature:</b> Timo Kasi <b>Title:</b> Head of Product Development
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Danfoss only vouches for the correctness of the English version of this document. In the event of the document being translated into any other language, the translator concerned must be liable for the correctness of the translation.

- IEC61508-1:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Parts 1-7

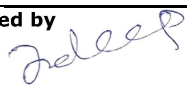

EN62061:2005/A1:2013, A2:2015 Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems

- EN60079-14:2014, **Part 14**: Electrical installations design, selection and erection
- EN50495:2010 Safety devices required for the safe functioning of equipment with respect to explosion risks

Notified body that carried out the EC Type examination: IFA – Institut für Arbeitsschutz der DGUV (IFA) Prüf- und Zertifizierungstelle im DGUV Test. Alte Heerstr. 111, 53757 Sankt Augustin, Germany. European notified body, Identification number 0121 IFA. Certificate No: IFA 2001240. Person authorised to compile the relevant technical documentation: Vacon Ltd, Runsorintie 7, 65380 Vaasa, Finland.

VTT Industrial Systems, Electrical Ex apparatus, the Notified Body having identification number 0537, has assessed the conformity of thermal motor protection system and has issued the certificate VTT 06 ATEX 048X.

It is ensured through internal measures and quality control that the product conforms at all times to the requirements of the current Directive and the relevant standards.

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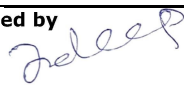

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