

certificate
no. **IFA 2001240**
dated 2020-11-05



IFA

Institut für Arbeitsschutz der
Deutschen Gesetzlichen Unfallversicherung
Prüf- und Zertifizierungsstelle im DGUV Test

Translation In any case, the German original shall prevail.

European notified body
Identification number: 0121

EC Type-Examination Certificate

Name and address of the holder of the certificate (customer): Vacon Ltd (Danfoss Group)
Runsorintie 7
65380 Vaasa
FINLAND

Product designation: **Frequency converter with integrated safety sub-function**

Type: Type series NX (see attachment)

Testing based on: GS-IFA-M19 (11.2017) - „Grundsätze für die Prüfung und Zertifizierung von Antriebssteuerungen mit integrierten Sicherheits-Teilfunktionen“

Test Report: No. 2020 23318 / 6130 of 2020-11-02

Further details: Intended use:
Safe torque off using the safety sub-function STO

Remarks:
The frequency converters of the type series NX meet the requirements of the test basis.
The safety sub-function STO fulfills the requirements on:
- SIL 2 according to DIN EN 61800-5-2
- Category 3 / PL d according to DIN EN ISO 13849-1

The type tested complies with the provisions laid down in the directive 2006/42/EC (**Machinery**).

The present certificate is valid until: **2025-11-04**

Further provisions concerning the validity, the extension of the validity and other conditions are laid down in the Rules of Procedure for Testing and Certification.

Dr. rer. nat. Peter Paszkiewicz
Head of testing and certification body

M. Sc. Christian Werner
Certification officer

**IFA**Institut für Arbeitsschutz der
Deutschen Gesetzlichen Unfallversicherung
Prüf- und Zertifizierungsstelle im DGUV Test

Sankt Augustin, 2020-11-05

Page 1 of 1

Attachment to EC-Type-Examination Certificate

IFA 2001240

Hardware Components

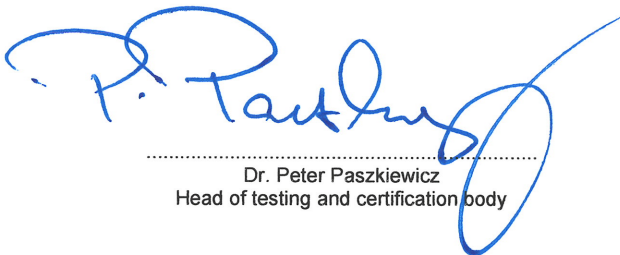
List of printed circuit boards in the frequency converters of the type series NX, covered by this certificate.

1. Control Boards NXP3

VB00561Hx	VB00561J				
VB00661A1	VB00661A2	VB00661B1	VB00661B2	VB00661C1	VB00661C2
VB00761B	VB00761D	VB00761E			

2. Option Boards OPT-AF

VB00328E	VB00328G	VB00328H	VB00328J		
----------	----------	----------	----------	--	--



Dr. Peter Paszkiewicz
Head of testing and certification body



M. Sc. Christian Werner
Certification Officer