

certificate
no. **IFA 2401125**
dated 2024-05-29

Translation In any case, the German original shall prevail.

EC Type-Examination Certificate

Name and address of the holder of the certificate (customer): Danfoss Drives Oy
Runsorintie 7
65380 Vaasa
FINLAND

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

Type: Type series NX (see attachment)

Testing based on: GS-IFA-M19 (01.2021)

Test Report: No. 2024 21012 of 2024-05-28

Further details: The frequency converters of the type series NX with control board NXP and OPT-AF board meet the requirements of the test regulations.


The safety sub-function STO fulfills the requirements on SIL 3 according to DIN EN 61800-5-2, as well as category 3 and PL e according to DIN EN ISO 13849-1.


The requirements of DIN EN 81-20: 2014-11 for an adjustable speed electrical power drive systems with safe torque off in SIL 3 and HFT 1 are thus also fulfilled.

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

The present certificate is valid until: **2029-05-28**

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