

Certificate



Functional
Safety

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No.: 968/FSP 2854.00/25

Product tested	Safety functions (STO and SS1-t) within FC 280 drive series	Certificate holder	Danfoss Power Electronics A/S Ulsnaes 1 6300 Graasten Denmark
Type designation	VLT® Midi Drive FC 280 drive series Details see the current "Revision List".		
Codes and standards	EN 61800-5-2:2017 EN 61800-5-1:2007 + A1:2017 + A11:2021, 4.3, 5.2.6	EN ISO 13849-1:2023 EN 61508 Parts 1-7:2010	
Intended application	The Safety functions "Safe Torque Off" (STO) and "Safe Stop 1 time controlled" (SS1-t) within the VLT® Midi Drive FC 280 drive series comply with the requirements of the relevant standards (PL e / Cat. 3 according to EN ISO 13849-1, SIL 3 according to EN 61800-5-2 / IEC 61508) and can be used in applications up to these safety levels. The VLT® Midi Drive FC 280 drive series can be used in the application area of EN IEC 62061:2021 + A1:2024.		
Specific requirements	The instructions of the associated Installation, Operating and Safety Manual shall be considered.		

The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT FSP1 V3.0:2020 in its actual version, whose results are documented in Report No. 968/FSP 2854.00/25 dated 2025-02-07. This certificate is valid only for products, which are identical with the product tested. Issued by the certification body accredited by DAkkS according to DIN EN ISO/IEC 17065. The accreditation is only valid for the scope listed in the annex to the accreditation certificate D-ZE-11052-02-00.

TÜV Rheinland Industrie Service GmbH

Bereich Automation

Funktionale Sicherheit

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Köln, 2025-02-25

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Gebhard Bouwer

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