Certificate No: LR21105721TA
Issue Date: 19/05/2021
Expiry Date: 11/04/2026

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**VACON OY**
Address	Member of the Danfoss Group, Runsorintie 7, Vaasa, 65380, Finland
Place of Production	Vacon (China) Drives Co., Ltd Haiyan Branch No.339 North Xinqiao Road Wuyuan Street Haiyan County, Jiaxing, Zhejiang, 314300, China
Place of Production	VACON OY Vacon Ltd, Member of the Danfoss Group, Runsorintie 7, Vaasa, 65380, Finland
Type	Electronic Frequency Convertor
Description	Frequency Converters TYPE NXS Air Cooled FR4 to FR12 NXP Air Cooled FR4 to FR14, FI9-FI13 NXP Liquid Cooled CH3, CH4, CH5, CH61, CH62, CH72, CH63, CH64, CH74 NXP can also be replaced by NXA, NXI, NXF, NXB, NXN, depending on application. All drives can be accompanied with external brake resistors, AC-chokes, SIN-, RFI- DUT-, L- or LCL-filters.

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Thorsten Wolff
Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Trade Name	NXS Air Cooled, NXP Air Cooled, NXP Liquid Cooled
Application	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2, as defined in LR Type Approval System, Test Specification Number 1 July 2015
Specified Standard	IEC 61800-5-1: 2007 IEC 61800-3: 2004 + A1: 2012
Other Conditions	Installation of this equipment for marine applications is to be in accordance with the Rules and Regulations for the Classification of Ships. See producer's documentation for ambient conditions and associated equipment ratings. Modules are to be suitably installed to meet EMC requirements. Type Approved devices used System Software: 33.02.10719

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: This certificate supersedes certificate number 11/60005 (E2) issued on 01.10.2018 which is hereby cancelled.

The Design Appraisal Document HTS/ETS 41050-21/HN/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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