



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 11/60005 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

Vacon Ltd
Runsorintie 7
65380 Vaasa
Finland

**PLACE OF
PRODUCTION**

Vacon Ltd
Runsorintie 7
65380 Vaasa
Finland

Vacon (China) Drives Co., Ltd.
Haiyan Branch
Block 6-7, No. 339 North Xinqiao
Road, Wuyuan Street, Haiyan
County, Jianxing City, Zhejiang
Province, P.R. China

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.

APPLICATION

For use in environmental category ENV1

STANDARD

Lloyd's Register Test Specification Number 1, July 2015.
IEC 61800-5-1: 2007

Certificate No.

11/60005(E1)

Issue Date

25 October 2016

Expiry Date

11 April 2021

Sheet

1 of 2


 Lloyd's
Register
Oshara Narangoda/Hubert Palej
Toronto Office
Lloyd's Register Canada Limited

LR031.1.2016.06

Oshara Narangoda/ Hubert Palej
Toronto Technical Support Office

Lloyd's Register Canada Limited

5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

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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 literature 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 Canada Limited of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 11/60005(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 11/60005 to which this extension should be attached.

Certificate No. 11/60005(E1)
Issue Date 25 October 2016
Expiry Date 11 April 2021
Sheet 2 of 2




Oshara Narangoda/Hubert Palej
 Toronto Office
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