



Lloyd's  
Register

## Lloyd's Register Canada Limited

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Document number 11/60005(E1)
Issue number 1

### DESIGN APPRAISAL DOCUMENT

Date 25 October 2016	Please quote the document number on all future communications.
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#### LLOYD'S REGISTER TYPE APPROVAL SYSTEM 2015

Issued to: VACON LTD

For: FREQUENCY CONVERTERS

Types: NXS AIR COOLED FR4 TO FR12, NXP AIR COOLED FR4 TO FR14,

NXP LIQUID COOLED CH3, CH4, CH5, CH61, CH72, CH63, CH74

TYPE APPROVAL CERTIFICATE NO: 11/60005(E1)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2015 and this Design Appraisal Document forms part of the Certificate.

#### APPROVAL DOCUMENTATION

Application for Type Approval  
Production Quality Assessment Form – Vacon (China) Drives Co.  
Quality Scheme Certificate - VACON PLC Finland

19 February 2016  
13 October 2016  
27 September 2014

#### TEST REPORTS

2903\_001 - TEST REPORT  
282088-1 - Statement of Test Results L 1634  
270705-1 - STR1436 FR13-14\_FI9-14  
STR 1604 - VACON NX FR4-6 STR  
269500-1 - VACON NX FR10-12 STR  
269500-2 - VACON NX FR11 STR  
STR 1309 - Vacon NX FR7-9 STR  
NXP3 NXPTEST2V193 - Testreport NXP 0038 5 NXPTEST2V193 NXP3 + FR5 + OPT-AF test

12 May 2016  
15 May 2013  
26 May 2015  
07 Jan 2013  
07 Jan 2013  
01 Dec 2011  
07 July 2016

Also all the documentation listed on Design Appraisal Documents associated with Type Approval Certificate No. 11/60005

#### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register Canada Limited reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*



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LR031.1.2016.06

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