

Noratel AS
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Manufacturer: **Noratel AS – Norway**
Address: **P.O. 133, N – 3301 Hokksund Norway**

ISO 9001 Certified

herewith declares that:

Type of equipment:

1-Phase; Isolating Transformers

<1000VAC at primary and <1000VAC at secondary or <1000VDC $\sqrt{2}$ at secondary

Type designation etc.:

**FR42X-XX, FR48X-XX, FR54X-XX, FR60X-XX, FR66X-XX, FR75X-XX, FR78X-XX, FR84X-XX,
FR92X-XX, FR96X-XX, FR105X-XX, FR108X-XX, FR120X-XX, FR130X-XX,
FR135X-XX, FR150X-XX**

Data:

2VA ... 2000VA

Class II, Ambient temp. 25/40/45°C, Cooling; AN, Frequency; 47-63Hz

IP00/IP2X/ IP3X/IP4X/IP5X, Insul.cl.; E/B

Mobility; stationary, With (../S) or without static screens

- *is in conformity with the provisions of the following EC directive(s), including the latest amendments, and with national legislation implementing this/these directives:*


- 1. Low Voltage Directive 2014/35/EU**
- 2. EMC Directive 2014/30/EU**

and that the following (parts/clauses of) harmonized standards have been applied:

- 1. EN 61558-1:2005+A1:2009 - General requirements**
EN 61558-2-4:2009, Particular requirements for Isolating transformers for general use.
- 2. Electromagnetic compatibility acc. to the EMC directive**
The transformer contains no components that generate or are sensitive to electromagnetic disturbances.

- *the following (parts/clauses of) national and/or international technical standards and specifications have been applied:*

- 1. DNV(Det Norske Veritas) rules for classifications of ships, Light Craft and Naval Surface Craft**
- 2. IEC 60092, Electrical installation in ships**

The date of  - marking: **01.01.1996**

Place: **Hokksund**

Date: **19.04.2016**

Signature:

Clarification:

Position:



Lam Quang Ho,

Design Engineer