



Type Approval Certificate

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

This certificate is issued to:

PRODUCER ABB France

PLACE OF PRODUCTION 3, Rue Jean Perrin
CS 90009,
69687 Chassieu Cedex,
France

DESCRIPTION Contactor Relays

TYPE NF22, NF31, NF40, NF44, NF53, NF62, NF71, NF80

APPLICATION For use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register Type Approval System Test Specification No. 1: 2002.

STANDARD IEC 60947-5-1 (2003) + A1 (2009)

RATINGS

Type	Utilisation Category	Operational Voltage Ue (Volts)	Operational Current Ie (Amperes)	Thermal Current Ith (Amperes)
NF22, NF31, NF40, NF44, NF53, NF62, NF71, NF80	AC15	690	2	16
		500	2	
		440	3	
		240	4	
		127	6	

Certificate No. 14/00038

Issue Date 14 May 2014

Expiry Date 13 May 2019

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R.M. Kelkar
Marine Technology & Engineering Services, London
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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"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."

The Design Appraisal Document No. 14/00038 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 14/00038
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