

EC CERTIFICATE TYPE EXAMINATION (MODULE B)

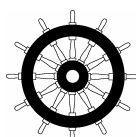
This is to certify that:

DNV GL SE, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No.	13 975 - 15 HH
Applicant	Hochiki Europe (UK) Ltd. Grosvenor Road, Gillingham Business Park Gillingham, Kent ME8 0SA, UNITED KINGDOM
Product Description	Short circuit isolator
Product Name	YBO-R/SCIM, YBN-R/3(SCI)M
Trade Name	YBO-R/SCIM, YBN-R/3(SCI)M
Specified Standards	EN 54-17 (2005) including AC(2007), IEC 60092-504 (2001) including IEC 60092- 504 Corrigendum 1 (2011), IEC 60533 (1999).
Related Directive	2014/93/EU
Equipment Section	Fire protection
Annex A.1 Item No.	A.1/3.51g
Date of Re-issue	2016-01-05
Expiry Date	2020-04-01

DNV GL SE

Notified Body No.: 0098



Christine Mydlak-Röder

Certificate No: 13 975 - 15 HH**Date of Re-issue: 2016-01-05**

Schedule of Approval

Approval Documentation

Test report : TE243064, TE 241495, TE277796, 101978111LHD-002c, 101978111LHD-012, TE277796-SW-B-Amendment 1

Documents: 1226110-00 YBO/RSCI General Assembly, 2-1-2-088-1 YBO-R/SCI PCB Assembly Dwg, YBO-R/SCIM Specification, 1426230-00 YBN-R3(SCI) Assembly Dwg, YBN-R3(SCI) Specification

Technical Data

Addressable short-circuit isolator

YBO-R/SCIM:

- Operating Voltage 17 – 41 V dc
- Quiescent Current (typ) 50 μ A
- Current In Short Circuit <10 mA
- Maximum Short Circuit Current 1 A

YBN-R/3(SCI)M:

- Operating Voltage 19 - 41 V dc (24 V dc nominal)
- Standby current 60 μ A
- Current drawn by isolator during fault condition < 4 mA
- Maximum current consumption from remote LED 10 mA (limited by attached sensor)
- Maximum continuous current 1 A

Remarks

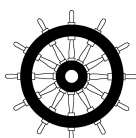
None

Limitations on the acceptance or use of the product

None

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE, as the Notified Body, of any modifications or changes to the approved equipment. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.