



Marine Equipment Directive Module B Type Examination Certificate

This is to certify that TÜV SÜD BABT did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation requirements of Marine Equipment Directive 96/98/EC as amended by Commission Directive (EU) 2015/559 and that the equipment of

Ritchie Navigation

of

243 Oak Street
Pembroke
MA 02359
USA

known as

F-83-WM

conforms to the relevant requirements for the following equipment as listed in Marine Equipment Directive:

Annex A.1/4.23 Compass for life-boats and rescue boats

as defined in Commission Directive (EU) 2015/559

on the basis of the Technical Data and information detailed in the Annex to this certificate.

Signed:

Issue Date: 02 May 2016

On Behalf of TÜV SÜD BABT

Number: BABT-MED000099

Issue: 01

This certificate has been issued in accordance with the Certification Regulations of TÜV SÜD BABT (Notified Body Number 0168) and constitutes page 1 of the combined Certificate and Annex

This certificate is valid from 02 May 2016 until not later than 01 May 2021

The Conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact BABT@TUV-SUD.co.uk



0168



Annex to

Marine Equipment Directive Module B Type Examination Certificate

Description of Equipment

Magnetic compass for life-boats and rescue boats

Model:	F-83-WM	Base model (Flush Mount)
Variants	F-83W-WM, F-83W-C-WM F-83W-L-WM, F-83W-SR-WM F-83-SRC-WM B-81-WM, B-81-L-WM B-81W-WM, B-81W-L-WM S-87-WM, S-87W-WM S-87-L-WM F-83-C-WM F-83-L-WM F-83-M-WM F-83-SR-WM F-83-SRC-WM	White versions Bracket Mount versions Surface Mount versions ^{Note 1} Connector to light wire Additional artwork Additional artwork Alternate colour lighting Connector to light wire, alternate colour lighting.

Compliance Matrix For MED Item A.1/4.23

IMO Resolutions	International Testing Standards	
IMO Res. MSC.48(66)	ISO 1069 (1973)	Magnetic compasses and binnacles for sea navigation -- Vocabulary
	ISO 25862 (2009)	Ships and marine technology -- Marine magnetic compasses, binnacles and azimuth reading devices
IMO Res. A.694(17)	IEC 60945:2002	General Requirements for Marine Navigation Equipment (Inc. Corr1:2008)

Manufacturer:

Name: As Holder
Address: As Holder



Relevant Technical Documentation

User Guide: Installation, Compensation and Maintenance Instructions for RITCHIE® Compasses, Part No. SH-0218, 2016-03-09

Test report numbers: ISO 25682 (2009) & IEC 60945 (2002) including Corr.1 (2008) :
010110, 2001-03-20
4612/62122073/11, 2011-09-14
Statement of manufacturer F-83-WM, 2016-04-18

Approved Hardware : Drawing: B-81-WM-P1, 2016-19-04
Parts List: F-83-WM Revision Level 1, 2016-03-09

Notes:

- 1- ISO 25862:2009 testing of a Type A2 Binnacle is not covered by this type approval.

Additional Information:

The products listed on this certificate were originally assessed and certified by BSH-Cert under Notified Body number 0735. This certificate replaces BSH-Cert Certificate Number BSH/4612/4231967/11.

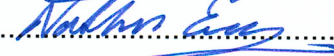
Conditions of Validity

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 1 of the Certificate.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TÜV SÜD BABT or a person appointed by TÜV SÜD BABT to perform that role.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on board vessels 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-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body."

Signed: 
on behalf of TÜV SÜD BABT

Date: 02 MAY 2016