

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAA00002XR
Revision No:
1

This is to certify:

that the Interface Unit

with type designation(s)
RDI 08-001SJ

issued to

Danelec Marine A/S
Farum, Hovedstaden, Denmark

is found to comply with

IEC 60945 Ed. 4 (2002-08) Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results
IEC 61162-1 Ed. 6.0 (2024-04) Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 1: Single talker and multiple listeners
IEC 61162-2 Ed. 2.0 (2024-04) Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 2: Single talker and multiple listeners, high-speed transmission

Application:

See page 2.

Issued at Høvik on **2026-02-03**

This Certificate is valid until **2031-02-02**.

DNV local unit: **Denmark CMC**

Approval Engineer: **Tommi Juhani Rifaat**



for DNV

This document has been digitally signed and will therefore not have handwritten signature

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

RDI 08-001SJ interface unit for collection of data on marine vessels according to IEC 61162-1 and IEC 61162-2. The interface has eight serial input ports, one Ethernet output port, and one serial output port.

RDI 08-001SJ - manufactures type designator: 1304373

Application/Limitation

- The RDI 08-001SJ interface unit is to be installed in accordance to manufactures specifications, in a protected area, with minimum compass safe distance of 0.2m.

Type Approval documentation

DNV No.	Document No.	Rev.	Title
1	MAN12384	Version 1.1	Manual: Installation Manual for RDI 08-001SJ in outer cabinet
3	GWD13487	Version 1.0	Statement regarding the IEC 61162-1 and IEC 61162-2 interfaces on the RDI 08-001SJ and RDI 08-001S
4	117-27236		Report: IEC61162-1 (2016) and IEC61162-2 (1998)- electrical interface - DELTA - Interface test of RDI-08-001S
5	118-20839-1	2018-07-02	Report: IEC60945 - FORCE Marine type testing of RDI 08-001SJ remote Data Interface, Serial
6	GWD13552 attachments	Version 1.0	Waiver of corrosion test on Danelec Marine RDI 08-001SJ attachments
9	GWD13552	Version 1.0	Waiver of corrosion test on Danelec Marine RDI 08-001SJ

Tests carried out

Environmental testing: IEC 60945 (2002)
Interface testing: IEC 61162-1 (2024) and IEC 61162-2 (2024)

Marking of product

The Manufacturer and Type Designation to be applied to the equipment in a clearly visible location. In addition the equipment shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.

Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

The scope of the periodical/renewal assessment is to verify that the production quality conditions stipulated for the type approval are complied with and that no alterations are made to the product design or its components and/or materials without appraisal by the Society.