

TYPE EXAMINATION CERTIFICATE

This is to certify:

That the Bridge instrumentation

with type designation(s)
NMEA Distribution Module Mk2

Issued to

Alphatron Marine B.V.
Rotterdam, Netherlands

is found to comply with
DNV GL rules for classification – Ships

Application :

See page 2.

Temperature B

Humidity B

Vibration A

EMC B

Enclosure A - Required protection according to relevant rules shall be provided upon installation on board.

Issued at **Høvik** on **2016-05-02**

This Certificate is valid until **2021-05-01**.

DNV GL local station: **Rotterdam, Product
Certification /Verification**

for **DNV GL**

Approval Engineer: **Frederik Tore Elter**

.....
Jan Tore Grimsrud
Head of Section

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 Examination Certificate and not to the approval of equipment/systems installed.

Job Id: **262.1-020426-1**
Certificate No: **TAA00000CC**

Product description

NMEA Distrubution Module Mk2 - 1 serial input, 4 outputs with BUSBAR connection for DIN rail installation.

Type Designation	Part number	Location
NMEA Distribution Module Mk2	3402.0292	Protected

Application/Limitation

- NMEA Distrubution Module MK2 is to be installed in accordance with makers documentation.
- Required protection according to relevant rules shall be provided upon installation on board by installation inside enclosure.

Type Approval documentation

Tests carried out

- Environmental testing: IEC60945(2002)
- Environmental testing: DNV 2.4 - Environmental test specification for instrumentation and automation equipment

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

A retention survey is to be performed at least once every second year, and again upon renewal of this certificate.

The scope of the retention/renewal survey 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.