DNV·GL

Certificate No:
TAA00001TF

TYPE APPROVAL CERTIFICATE

This is to certify:

That the RPM sensor

with type designation(s)
DSS uuvv.ww xzV, DSY uuvv.ww xzD

Issued to

Jaquet Technology Group AG
Kunimattweg 14,
4133 Pratteln,
Switzerland

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Type	Temperature	Humidity	Vibration	EMC	Enclosure
DSS uuvv.ww xzV	**B**	**B**	**B**	**B**	**C**
DSY uuvv.ww xzD	**B**	**B**	**B**	**B**	**C**

Issued at **Hamburg** on **2018-04-20**
This Certificate is valid until **2023-04-19**.
DNV GL local station: **Augsburg**

for **DNV GL**

Approval Engineer: **Marco Rinkel**

Joannis Papanuskas
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 Approval Certificate and not to the approval of equipment/systems installed.

Product description

Hall Effect Dual Channel Speed Sensor
Hall Effect Single Channel Speed Sensor

uu:	Housing thread (diameter in mm, EH= Imperial Thread 5/8", CD= Imperial Thread 3/4")
vv:	Smallest possible pole wheel module. (e.g. 10= Module 1.0)
ww:	Specific execution according operating instructions
x=Ay:	Integrated connector according operating instructions. Instead of the "y" can be nothing or a one-to two-digit number. These versions differ by the mechanical shape of the connector housing.
x=Py:	Cable with connector according operating instructions. Instead of the "y" can be nothing or a one-to two-digit number. These versions differ by the mechanical shape of the connector housing and cable length.
x=Sy:	Cable with open end according operating instructions. Instead of the "y" can be nothing or a one-to two-digit number. These versions differ by the cable length
z:	Temperature class according operating instructions.

Additional information/drawings can be found in the operating instructions of the corresponding sensors.

Application/Limitation

The type approval covers hardware listed under product description. When the hardware is used in applications to be classed by DNV GL, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV GL RU SHIP Pt.4 Ch.9 Sec.1.

Type Approval documentation

Tests carried out

Applicable tests according to class guideline DNVGL-CG-0339, November 2017

Marking of product

Device name
Manufacturer name
Serial number

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.
The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with typeapproved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

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.

END OF CERTIFICATE