

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Level Switches

with type designation(s)
SI-H/V Series, SI-RS Series

Issued to

**Sunil Instrument Co., Ltd.,
Busan, Republic of Korea**

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.

Location class:

Temperature	D
Humidity	B
Vibration	A
EMC	N/A
Enclosure	IP 56

Issued at **Busan** on **2017-08-25**

This Certificate is valid until **2022-08-24**.

DNV GL local station: **Gimhae Station**

for **DNV GL**

Approval Engineer: **Eun Jin Lee**

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Michael Jost Auf der Stroth
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

SI-H/V Series, Magnetic Type Float Level Switch
SI-RS Series, Reed Switch Type Float Level Switch

Application/Limitation

The Type Approval covers hardware listed under Product description. When the hardware is used in application to be classed by DNVGL, 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 DNVGL Rules for Ships Pt.4 Ch.9 Control and Monitoring Systems.

Type Approval documentation

Tests carried out

Applicable tests according to DNVGL Class Guideline DNVGL-CG-0339 Nov.2016

Periodical assessment

The scope of the retention/renewal survey 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, components and/or materials.

- 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, components and/or materials used comply with type approved documents and/or referenced system, component and material specifications
- Review of possible changes in design of systems, 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

Retention survey is to be performed at least every second year and at renewal of this certificate

END OF CERTIFICATE