DNV·GL

Certificate No:
TAE00003B2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pilot Lamp

with type designation(s)
Quartron/ Quartron-Juwel

Issued to
Georg Schlegel GmbH & Co. KG
Dürmentingen, Germany

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

Application :

For flush-mounting in front of switchboards and enclosures onboard ships and offshore units. Enclosure protection: IP65.

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

Issued at **Hamburg** on **2018-12-27**
This Certificate is valid until **2023-12-31**.
DNV GL local station: **Augsburg**

Approval Engineer: **Harald Amberger**

for **DNV GL**

Arne Schaarmann
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.

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Product description

Pilot lamps type Quartron/ Quartron-Juwel

Type designation:

Lamp holder:	AL5	
	Quartron	Quartron-Juwel
Covers:	QXN	QXJN
	LXN	LXJN
	LXNN	LXJNN
		LXJNNZST
Covers with	QXL5	QXJL5
Lamp holder:	QXL9	

Application/Limitation

For flush-mounting in front of switchboards and enclosures onboard ships and offshore units. Enclosure protection: IP65.

Type Approval documentation

Tests carried out

Vibration test, Cold test, Heat test, Damp heat, Type tests in accordance with IEC 61058-1 & UL

Marking of product

Schlegel - Type designation - Ratings (if applicable)
(On the body or packaging unit of the device)

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and 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