

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pressure Indicator

with type designation(s)
RF_ _ , Series D4_ _ , D7_ _ , D8_ _ , and D9_ _

Issued to
Afriso-Euro-Index GmbH
Amorbach, Germany

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.

Temperature	D
Humidity	B
Vibration	B, C
EMC	Not relevant
Enclosure	C

Issued at **Hamburg** on **2017-06-08**
 This Certificate is valid until **2022-05-31**.
 DNV GL local station: **Augsburg**

for **DNV GL**

Approval Engineer: **Didier Girardin**

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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.



Job Id: **262.1-005533-3**
Certificate No: **TAA000010J**
Revision No: **1**

Product description

Type : RF__, Version designation, Series D4__ , D7__ , D8__ and D9__ in any combinations as follows:

Type		Series			
RF	40	Version	4	0	1
	50	Designation	7	1	2
	63	Ch, ChGly, ChF,	8	2	
	80	F, Gly, I, KTGly,	9	3	
	100	Oe		4	
	160			5	

Application/Limitation

Tests carried out

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

Marking of product

The products to be marked with:

- manufacturer name
- model name
- lot number (encoded - includes manufacturer name, model name, manufacturing date)

Manufacturing Places

- Afriso-Euro-Index GmbH Amorbach, Germany
- Afriso-Euro-Index SRL Bukarest, Romania
- Afriso Measurement & Control Technology Co.Ltd. Suzhou City, China

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 type approved 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 at least every second year and at renewal of this certificate.

END OF CERTIFICATE