

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Gland

with type designation(s)
blueglobe, blueglobe TRI

Issued to

Pflitsch GmbH & Co. KG
Hückeswagen, Germany

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

Application :

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

This Certificate is valid until **2021-07-10**.

Issued at **Hamburg** on **2016-07-11**

DNV GL local station: **Essen**

for **DNV GL**

Approval Engineer: **Carsten Hunsalz**

Duy Nam Le
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: **262.1-021996-1**
Certificate No: **TAE000018V**

Product description

Cable gland blueglobe with connection thread M 12, 16, 20, 25, 32, 40, 50, 63,(75),(85)
chromed version in addition M18, 24, 30, 36, 45, 56, 72

Material : brass nickel plated and chromed
stainless steel 1.4305,1.4404, 1.4571
PA 66

gasket material: TPE

Ingress protection: IP 68 30min 15 bar
Temperature: - 40°C up to +130°C depending on gasket
- 20°C up to +120°C for PA version

Application/Limitation

Location Classes:

Temperature: C, Humidity: B, Vibration: A
Temperature: B, Humidity: B, Vibration: A for PA 66 Version

Operation instruction of the manufacturer to be observed

Type Approval documentation

Test report : PTB EX 06-15207 dated 2006-06-09
VDE 610500-9030-0001/100382 dated 2008-05-05
VDE 610500-9020-0001/102411 dated 2008-05-08
VDE 610500-1492-0003/69198 dated 2006-04-13

Tests carried out

GL Guidelines for the Performance of Type Approvals Part 2, Edition 2012
EN 50262:2004

Marking of product

Pflitsch GmbH & Co. KG – Type designation

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 periodical assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routines (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 to be performed at least every second year.

END OF CERTIFICATE