

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Gland

with type designation(s)

UNI-EMV-Dicht U 40, U 40 Pg, U 40 M / UNI-M-Dicht U 41, U 41 Pg, U 41 M

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.

Product description

1. Cable glands for armoured cables, System UNI-EMV-Dicht
2. Cable glands for unarmoured cables, System UNI-M-Dicht

Type: 1. U 40, U 40 Pg, U 40 M
2. U 41, U 41 Pg, U 41 M

1. Screw-type glands for armoured cables with thread, short UNI-seal and armour clamping cone.

Materials: gland - brass, gal. nickel plated
seal - TPE-V

Degree of protection : IP 68, 1bar > 48 hours

U 40 = Metric thread (DIN 89280)
U 40 Pg = Pg-thread (DIN 40430)
U 40 M = Metric thread (DIN 46319)

2. Same as before but for unarmoured cables

Application/Limitation

Location Classes:

Temperature: B, Humidity: B, Vibration: A and
Temperature: C, Humidity: B, Vibration: A

Operation instruction of the manufacturer to be observed

Type Approval documentation

Test report No.: MFRW006/01.88; Catalog 6/2016

Tests carried out

GL Guidelines for the Performance of Typ Approvals Part 7.2, Edition 2012
IEC 60529:2013

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