



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE000018U
Revision No:
1

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, Nordrhein-Westfalen, Germany

is found to comply with

DNV 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.

Material	Metallic
Suitable for open deck	Yes
Suitable for Hazardous areas	No

Issued at Hamburg on 2021-11-02

This Certificate is valid until 2026-11-01.

DNV local station: Essen

Approval Engineer: Carsten Hunsalz



for DNV

Digitally Signed By: Schaarman, Arne
Location: DNV GL SE Hamburg, Germany
Signing Date: 2021-11-03

Arne Schaarman
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

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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	M18x1,5 to M72x2	= Metric thread (DIN 89280)
U 40 Pg	Pg9 to Pg48	= Pg-thread (DIN 40430)
U 40 M	M16x1,5 to M63x1,5	= Metric thread (DIN 46319)

2. Same as before but for unarmoured cables

Application/Limitation

Manufacturer's installation description, instructions and DNV rules to be followed.

Not to be used in bulkheads/decks or for penetrating boundaries of tanks.

Suitable for open deck: Yes

Degree of protection will be safeguarded only when sealing and cable entry fittings are properly fitted.
The manufacturer's instructions must be followed.

Type Approval documentation

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

Tests carried out

Type tests in accordance with IEC 62444:2010

Marking of product

Name of manufacturer – 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 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