



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE00002SS
Revision No:
2

This is to certify:
that the Cable Gland

with type designation(s)
EX-VSM..

issued to
WISKA Hoppmann GmbH
Kaltenkirchen, 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: Brass |
| Suitable for open deck | Yes |
| Suitable for Hazardous areas | Yes |

Issued at **Høvik** on **2024-12-11**

for **DNV**

This Certificate is valid until **2029-11-20**.

DNV local unit: **Hamburg**

Approval Engineer: **Uwe Supke**

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 USD 300 000.

Product description

Explosion protected metallic Locking Screw:

- Material: Brass
- Type designation: EX-VSM.. Connection thread M16 up to M105
- Operating temperature: -40°C - +120°C
- Ingress protection: IP66 / IP68
- Ex classification: II 2 G Ex eb IIC Gb and
II 2 D Ex tb IIIC Db as per certificate PTB 03 ATEX 1158X

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
- The information related to Ex certification from recognized test institution is given as information only.
- Applications where Ex certified equipment is required will in general be subject to approval case by case based on documentation as required in DNV rules.

Type Approval documentation

EC-Type Examination Certificate No. PTB 03 ATEX 1158X Issue:1, dated 2022-06-28

Test report PTB EX 22-11180, dated 2022-06-28

IECEx PTB 14.0025, Issue No.1, dated 2022-06-28

Test report DE/PTB/ExTR14.0028/01, dated 2022-06-28.

Tests carried out

Applicable tests in accordance with: EN 60079-0:2018; EN60079-7:2015+A1:2018; EN 60079-31:2014

Marking of product

The products to be marked with:

- Manufacturer
- Type designation
- Ex rating

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