

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**That the Cable Gland**

with type designation(s)  
**ESKE/1 and ESKV**

Issued to

**WISKA Hoppmann GmbH**  
**Kaltenkirchen, 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.**

Issued at **Hamburg** on **2017-06-16**

for **DNV GL**

This Certificate is valid until **2022-06-15**.

DNV GL local station: **Hamburg**

Approval Engineer: **Carsten Hunsalz**

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**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

Cable Gland Type: ESKE/1 and ESKV with connection thread M12, 16, 20, 25, 32, 40, 50, 63

Degree of protection:	IP66/68 (5bar, 30min)
Degree of ex-protection (ESKE/1):	II 2G Ex eb IIC Gb II 2D Ex tb IIIC Db see PTB 13 ATEX 1015 X Issue 01 see IECEx PTB 13-0034X Issue 2
Temperature range normal:	-40°C up to +75°C
Temperature range LT:	-60°C up to +75°C
Mechanical risk level:	see PTB 13 ATEX 1015 X Issue 01 see IECEx PTB 13-0034X Issue 2
All types alternatively with:	-long and short connection thread -different colors -multiple sealing inserts, special sealing inserts and blind plugs
Degree of protection (ESKV):	IP66/68 (5bar, 30min)
Temperature range:	-40°C up to +100°C
Mechanical risk level:	see VDE Certificate 40006479
All types alternatively with:	- long and short connection thread - different colors - multiple sealing inserts, special sealing inserts and blind plugs

## Application/Limitation

Approved for use as cable entry and holding systems in switchboards, distribution boards and for threaded holes or through-holes with or without lock nut.

Location Classes:

ESKE/1: Temperature: C, Humidity: B, Vibration: A and  
ESKV: Temperature: D, Humidity: B, Vibration: C

Installation instruction of the manufacturer to be observed

For hazardous area cable glands the manufacturer's installation description to be followed

The systems are not to be used in bulkheads / decks or for penetrating boundaries of tanks.

Job Id: **262.1-024913-1**  
Certificate No: **TAE0000200**

## Type Approval documentation

Technical information: WISKA Product Catalog

Test reports (ESKE/1): PTB 13 ATEX 1015X Issue 01 dated 05.05.2017,  
IECEX PTB 13-0034X Issue 2 dated 05.05.2017,  
PTB Ex 17-16056 dated 05.05.2017  
DE/PTB/EXTR13.0049/02

Test report (ESKV): VDE Certificate 40006479 dated 08.12.2016

## Tests carried out

GL Guidelines for the Performance of Typ Approvals Part 7.2, Edition 2012, IEC 60529:2013, EN 60079-0:2012 + A 11 :2013, EN 60079-7:2015, EN 60079-31 :2014, IEC 60079-0:2011 (Ed. 6.0); IEC 60079-7:2015 (Ed. 2); IEC 60079-31 :2013 (Ed. 5.0), DIN EN 62444 (VDE 0619):2014-05; EN 62444:2013

## Marking of product

WISKA Hoppmann GmbH – 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