

# TYPE APPROVAL CERTIFICATE

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**This is to certify:****That the Cable Gland**

with type designation(s)  
**KEL, KVT**

Issued to

**Icotek GmbH**  
**Eschach, 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 **2017-02-06**

This Certificate is valid until **2022-02-05**.

DNV GL local station: **Augsburg**

Approval Engineer: **Carsten Hunsalz**

for **DNV GL**

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**Duy Nam Le**  
**Head of Section**

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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 Entry and Holding Systems

Type: KEL, KVT

|     |                                             |                            |
|-----|---------------------------------------------|----------------------------|
| KEL | 24, 16, 10, B , E, FG , FL, MT<br>DPZ<br>DP | IP 54<br>IP 65/66<br>IP 55 |
| KVT | SNAP, - W90                                 | IP 54                      |

Accessories, strain relief, inserts etc.

KZL, SF, ZL

KEL Snap...

KT

DT

QVT

## Application/Limitation

Approved for use as cable entry and holding systems in switchboards and distribution boards.

Location Classes:

Temperature: A, Humidity: B, Vibration: A

Installation instruction of the manufacturer to be observed

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

## Type Approval documentation

Reports Currenta L00136F, 11/0797, 10/0431e, 10/0426e,  
10/0427e, 10/0422e, 10/0440e, 10/0810  
Paconsult report 11-3933

## Tests carried out

IEC 60529:1999; strain relief on the basis of EN 50262:2004

## Marking of product

Icotek GmbH – 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



Job Id: **262.1-022538-1**  
Certificate No: **TAE00001S3**

- 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