DNV·GL

Certificate No:
TAE00003V7

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Gland

with type designation(s)
KDSClick

Issued to
CONTA-CLIP Verbindungstechnik GmbH
Hövelhof, Nordrhein-Westfalen, 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 **2020-03-12**
This Certificate is valid until **2025-03-11**.
DNV GL local station: **Essen**

Approval Engineer: **Harald Amberger**

for **DNV GL**

Arne Schaarmann
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.

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Job Id: **262.1-031536-1**
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Product description

Cable entry system CES

Type: KDSClick, Modular cable entry system.

Consisting of:	Type:
- Screw frames	KDS-SR…BK
- Inlays	KDS-Inlay…BK
- Inner locking frame	KDS-IVR…BK
- Sheet metal puncher	BL KDS-SR…

- Seals for all KDS systems:

	Type:
- Small grey and black	KDS-DE…GR
- Large grey and black	KDS-DEG…GR
- Multiple holes grey and black	KDS-DE 2,3,4…
- AS interface cables grey and black	KDS-DE/… x ASI
- Cone-shaped, black	KDS-DE…/K…

Application/Limitation

Location Classes:
Temperature: -40°C to 120°C, Humidity: B, Vibration: B, Ingress protection: IP 66

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

Cold, dry heat, damp heat, vibration, flame retardancy.

Marking of product

Conta-Clip - 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