



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE00003VJ
Revision No:
1

This is to certify:

that the **Cable entry system CES**

with type designation(s)
PLUSCON cabinet

issued to

Phoenix Contact GmbH & Co. KG
Blomberg, 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.

Issued at **Hamburg** on **2025-02-25**

for **DNV**

This Certificate is valid until **2030-02-12**.

DNV local unit: **Essen**

Approval Engineer: **Harald Amberger**

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

Cable entry system CES

Type: PLUSCON cabinet

Sealing frames with:

- locking latch
- screw locking
- snap on frames
- coned sleeves
- accessories (locking plates, flat gaskets, EMC cable catch rails)

Cable sleeves:

- thermoplastics (with and without hole slotted)
- rubber (coned sleeves, without bore holes, slotted)
- filler plugs for sleeves

Application/Limitation

Location Classes:

Temperature: A, Humidity: B, Vibration: A

Ingress protection: IP 54 up to IP65 depending on the configuration

Operating instruction of the manufacturer to be observed

Type Approval documentation

Test report : PB 13057/2012; 13099/2012; 12972/2012, Data sheet 2015

Tests carried out

IEC 60512-1-1, 2, 5, 60208, EN 50262, Cold, dry heat, damp heat, vibration, flame retardancy

Marking of product

Phoenix - 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