DNV·GL

Certificate No:
TAE00002KM

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrical Equipment

with type designation(s)
Connector PRC3-5 Series

Issued to
Phoenix Contact GmbH & Co. KG
Blomberg, Germany

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Temperature	**D**
Humidity	**B**
Vibration	**A-B-C**

Issued at **Høvik** on **2018-07-09**
This Certificate is valid until **2023-07-08**.
DNV GL local station: **Magdeburg**

Approval Engineer: **Nicolay Horn**

for **DNV GL**

Andreas Kristoffersen
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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Product description

Field Connector and Feed Through M25 Connector

Products	Type designation
Field / CableConnector 3 pole	PRC 3-FC - FSXXXX YYYY ZZ
Field / CableConnector 5 pole	PRC 5-FC - FSXXXX YYYY ZZ
Feed Through M25 Connector 3 pole	PRC 3-FT25 - MCXXXX YYYY ZZ
Feed Through M25 Connector 3 pole	PRC 5-FT25 - MCXXXX YYYY ZZ

Rated Voltage:	500 V
Rated impulse voltage:	6 kV
Rated current	
2.5 mm^2:	24 A
4 mm^2:	32 A
6 mm^2:	35 A
Polution degree:	3
Overvoltage category:	III
Lower ambient temperature:	-40 °C
Upper ambient temperature:	85 °C
Upper limit temperature:	110 °C
Degree of protection:	IP66 / IP 68 (2m / 24h)

Manufacturer place

Phoenix Contact Wielkopolska SP Z O O.
UL Celna 5
64-300 Nowy Tomysl
Poland

Application/Limitation

With Uimp = 6 kV the max. rated voltage is 600 V when used in a IT (ship) net. Applicable for use in applications with directly earthed systems with rated voltage of 400/690 V.

Manufacturers installation instructions to be followed.

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 61535: 2009 (first Edition) + A1: 2012, IEC 61984: 2008.
Environmental tests (Vibration, dry heat, damp heat & salt mist).

Marking of product

Phoenix Contact, Manufacturing place, Voltage, Current, IP degree

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 shall 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