



Certificate No:
TAE00004G2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Panel feed-throughs installation system

with type designation(s)
IPD

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 **2022-03-15**

This Certificate is valid until **2027-03-14**.

DNV local station: **Essen**

for **DNV**

Approval Engineer: **Harald Amberger**

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.

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 300,000 USD.



Form code: TA 251

Revision: 2021-03

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Product description

Type: IPD Panel feed-throughs installation system

Rated voltage (III3): 690VAC
Rated current: up to 20A

Nomenclature IPD Variants

IPD	WD	3	P	2,5	X,X	M20	GY
A	B	C	D	E	F	G	H

A - Name of Product

IPD	Installation Power Distribution
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B - Type

WD	Wall Feed Through with direct connection
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C - Position

3	3 positions
5	5 positions

D - Codings

P	Power Coding with PE (L1, N, PE) Power Coding with PE (L1, L2, L3, N, PE)
X	Power Coding without PE (1, 2, 3) Power Coding without PE (1, 2, 3, 4, 5)

E - Connection size

2,5	up to 2,5 mm ²
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F – Cable/wire length finished article (in some Variants)

X,X	Cable/wire length in meters
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G – Wall feed through metric threads

M20	Metric thread M20
M25	Metric thread M25

H – Color

GY	Grey RAL 7032
BK	Black RAL 9005

Application/Limitation

Location Classes:

Temperature: - 40°C up to + 100°C depending on the dedicated cable, Humidity: B, Vibration: B
Ingress protection IP66/68 and IP69K

Cable selection has to be in line with the requirements of the application

Kind of termination: Spring

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

IEC 61984(ed2):2008, Cold, dry heat, damp heat, vibration, flame retardancy.

Marking of product

Phoenix - Type designation - Main data.

All type designation may be followed by suffix such as color or packaging options.

Name & Place of Manufacturer

Phoenix Contact Asia Pacific (Nanjing) Co., Ltd.
No. 6 Mozhou East Road
Jiangning Development Zone; Nanjing 21110064
China

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