TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE00003J5
Revision No:
1

This is to certify:

that the Terminal Block

with type designation(s)
QPD Quickon Power Distribution

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 **2024-06-19**

This Certificate is valid until **2029-06-30**.
DNV local unit: **Essen**

Approval Engineer: **Harald Amberger**

for **DNV**

Digitally Signed By: Schaarmann, Arne
Location: DNV SE Hamburg, Germany
Signing Date: 2024-06-25

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

Type: QPD Quickon Power Distribution

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

Nomenclature QPD Variants

QPD	W	3PE2,5	M20	6-10	0,5	BK	BK
A	B	C	D	E	F	G	H

A Name of Product

QPD	Quickon Power Distribution

B Type

W	Wall Feed Through	P	Plug Connector
C	Cable Connector	CW	Cable Connector (Wall feed through)
T	T-Distributor	H	H-Distributor
N	Quickon Nut	#	Variants

C Position and Diameter

2PE1,5	3 positions 1,5mm²	2PE2,5	3 positions 2,5mm²	2PE6,0	3 positions 6mm²
3x1,5	3 positions 1,5mm²	3x2,5	3 positions 2,5mm²	3x6,0	3 positions 6mm²
3PE1,5	4 positions 1,5mm²	3PE2,5	4 positions 2,5mm²	3PE6,0	4 positions 6mm²
4x1,5	4 positions 1,5mm²	4x2,5	4 positions 2,5mm²	4x6,0	4 positions 6mm²
4PE1,5	5 positions 1,5mm²	4PE2,5	5 positions 2,5mm²	4PE6,0	5 positions 6mm²
5x1,5	5 positions 1,5mm²	5x2,5	5 positions 2,5mm²	5x6,0	5 positions 6mm²
#	Variants				

D Wall Feed Through Metric Thread

M16	Metric Thread M16	M20	Metric Thread M20
M25	Metric Thread M25	M30	Metric Thread M30
#	Variants		

E Cable Diameter (seal)

6-10	Cable with outer diameter from 6 to 10	6-11	Cable with outer diameter from 6 to 11
7-14	Cable with outer diameter from 7 to 14	11-16	Cable with outer diameter from 11 to 16
9-14	Cable with outer diameter from 9 to 14	13-20	Cable with outer diameter from 13 to 20
4-9	Cable with outer diameter from 4 to 9	8-13,5	Cable with outer diameter from 8 to 13,5
5-10	Cable with outer diameter from 5 to 10	#	Variants

F Length of Laces in Meters

0,5	0,5 meters
1,0	1,0 meters
FC	Flat Connector
DT	Dir. termination (spring cage)
#	Variants

G Colour (only Plug connector)

BK	Black
GY	Grey
WH	White
#	Variants

H Colour of Nut

BK	Black
GY	Grey
WH	White
#	Variants

Application/Limitation

Location Classes:
Temperature: - 40°C up to + 80°C depending on the dedicated cable, Humidity: B, Vibration: B
Ingress protection IP65/68/69K

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

Kind of termination IDC

Operating instruction of the manufacturer to be observed

Type Approval documentation

Summary of test reports “Typ List QPD”

Tests carried out

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

Marking of product

Phoenix - Type designation - Main data.

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