

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Terminal Block

with type designation(s)
PT, PTTB, PP, FT

Issued to

Phoenix Contact GmbH & Co. KG
Blomberg, Germany

is found to comply with
DNV GL rules for classification – Ships and offshore units

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Environmental Category B

This Certificate is valid until **2019-07-02**.

Issued at **Hamburg** on **2016-03-15**

DNV GL local station: **Magdeburg**

Approval Engineer: **Harald Amberger**

for **DNV GL**

Duy Nam Le
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.

Product description

PT 4	4 mm ²	32A	800V	1
PT 4-PE	4 mm ²			1
PT 4-MT	4 mm ²	20A	400V	1
PT 4-TG	4 mm ²	20A	400V*	1
PT 4-DIO 1 N 5408/L-R	4 mm ²	1,5A*	800V	1
PT 4-DIO 1 N 5408/R-L	4 mm ²	1,5A*	800V	1
PT 4-FSI/F	4 mm ²	10A*	400V*	1
PT 4-FSI/F-LED 12	4 mm ²	10A*	400V*(15V)	1
PT 4-FSI/F-LED 24	4 mm ²	10A*	400V*(30V)	1
PT 4-QUATTRO	4 mm ²	32A	800V	1
PT 4-QUATTRO-PE	4 mm ²			1
PT 4-QUATTRO-DIO 1 N 5408/L-R	4 mm ²	1,5A*	800V	1
PT 4-QUATTRO-DIO 1 N 5408/R-L	4 mm ²	1,5A*	800V	1
PT 4-TWIN	4 mm ²	32A	800V	1
PT 4-TWIN-PE	4 mm ²			1
PT 4-HESI (5x20)	4 mm ²	6,3A*	400V (250V)*	1
PT 4-HESILA (250 5x20)	4 mm ²	6,3A*	400V (250V)*	1
PT 4-HESILED 24 (5x20)	4 mm ²	6,3A*	400V (30V)*	1
PT 4-HESILED 60 (5x20)	4 mm ²	6,3A*	400V (60V)*	1
PTTB 4	4mm ²	28A	500V	1
PTTB 4-PE	4mm ²			1
PTTB 4-PV	4mm ²	28A	500V	1
PT 6	6mm ²	41A	1000V	1
PT 6-PE	6mm ²			1
PT 6-TWIN	6mm ²	41A	1000V	1
PT 6-TWIN-PE	6mm ²			1
PT 6-QUATTRO	6mm ²	41A	1000V	1
PT 6-QUATTRO-PE	6mm ²			1
PT 10	10mm ²	57A	1000V	2
PT 10-PE	10mm ²			2
PT 10-TWIN	10mm ²	57A	1000V	2
PT 10-TWIN-PE	10mm ²			2
PT 16-N	16mm ²	76A	1000V	2
PT 16-N-PE	16mm ²			2
PT 16-TWIN N	16mm ²	76A	1000V	2
PT 16-TWIN-N-PE	16mm ²			2
PT 4/1P	4mm ²	32A	800V	2
PT 4/1-PE	4mm ²			2
PP-H4/xx (1-15 polig)	4mm ²	32A	800V	2
PP-H4/1	4mm ²	32A	800V	2
PP-H4/1-M	4mm ²	32A	800A	2
PP-H4/1-L	4mm ²	32A	800V	2
PP-H4/1-R	4mm ²	32A	800V	2

Job Id: **262.1-021067-2**
Certificate No: **TAE000010T**

FT 4	4.mm ²	32A	800V	1
FT 4-PE	4 mm ²			1
FT 4-TWIN	4 mm ²	32A	800V	1
FT 4-TWIN-PE	4 mm ²			1
FT 4-QUATTRO	4 mm ²	32A	800V	1
FT 4-QUATTRO-PE	4 mm ²			1

Application/Limitation

() Operation voltage for LED

* Current and voltage rating are depending on the fuse size, LED or connector

For use in potentially explosive atmospheres please observe
Examination certificate number: SEV 13 ATEX 0159 U and PTB 09 ATEX 1112 U

All types may be followed by suffix such as for colour or packing options

Installation instruction of the manufacturer to be observed.

Type Approval documentation

Report no.: 1476-00, 1477-00, 1478-00, 1479-00, 1480-00, 1481-00, 1529-00, 1532-00, 1534-00
1535-00, 1536-00, 1537-00, 1538-00, 1539-00, 1560-00, 12241-01, 12277-00, 12278-01, 12279-00
12363-00, 12365-00, 12264, 121280-00, 12281-00, 114296E1, 1729-00, 1730-00, 1731-00, 1732-00
3429-00, 3430-00, 3431-00, 3432-00, 1874-00, 1875-00, 1877-00, 1879-00, 17922-00, 17923-00
17924-00, 17925-00

Tests carried out

GL Guidelines for the Performance of Type Approvals Chapter 2, Edition 2012
IEC 60947-7-1:2009; 60947-7-2:2009

Place of production

¹ Phoenix Contact Asia-Pacific (Nanjing) Co. Ltd
36 Phoenix Road
Jiangning Development Zone
P.O.Box 236 Jiangning Nanjing
211100 Nanjing
People's Republic of China

² Phoenix Contact Wielkopolska Spolka z o.o.
Ul. Celna 5
64-300 Nowy Tomysl
Poland

Periodical assessment

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routines (RT) checked (if not available tests according 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.

Assessment to be performed at least every second year.

END OF CERTIFICATE