



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE000010T
Revision No:
4

This is to certify:
that the Terminal Block

with type designation(s)
PT, PTTB, PP-H, PPC

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 **2026-01-09**

This Certificate is valid until **2029-06-30**.

DNV local unit: **Essen**

for **DNV**

Approval Engineer: **Torsten Dzillak**

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

PT ...	Push-in feed-through terminal block,
PTTB ...	Push-in double-level terminal block
PP-H ...	Plug-in terminal block
PPC ...	COMBI coupling

Type designation	Cross-section	Rated current	Rated voltage
PT 2,5	2,5mm ²	24A	800V
PT 2,5-PE	2,5mm ²		
PT 2,5-TWIN	2,5mm ²	24A	800V
PT 2,5-TWIN-PE	2,5mm ²		
PT 2,5-QUATTRO	2,5mm ²	24A	800V
PT 2,5-QUATTRO-PE	2,5mm ²		
PT 2,5-3L	2,5mm ²	20A	500V
PT 2,5-3PE	2,5mm ²		
PT 2,5-PE/L/L	2,5mm ²	20A	500V
PT 2,5-PE/L/N	2,5mm ²	20A	500V
PT 2,5-3PV	2,5mm ²	20A	500V
PT 2,5-MT	2,5mm ²	20A	400V
PT 2,5-TG	2,5mm ²	20A	400V
PT 2,5-TWIN-MT	2,5mm ²	20A	400V
PT 2,5-TWIN-TG	2,5mm ²	20A	400V
PT 2,5-QUATTRO-MT	2,5mm ²	20A	400V
PT 2,5-QUATTRO-TG	2,5mm ²	20A	400V
PT 2,5/1P	2,5mm ²	24A**	500V
PT 2,5/1P-PE	2,5mm ²		
PT 2,5-QUATTRO/2P	2,5mm ²	24A**	500V
PT 2,5-QUATTRO/2P-PE	2,5mm ²		
PT 2,5-TWIN/1P	2,5mm ²	24A**	500V
PT 2,5-TWIN/1P-PE	2,5mm ²		
PTS 2,5	2,5mm ²	24A	800V
PTS 2,5-PE	2,5mm ²		
PTS 2,5-TWIN	2,5mm ²	24A	800V
PTS 2,5-TWIN-PE	2,5mm ²		
PTS 2,5-QUATTRO	2,5mm ²	24A	800V
PTS 2,5-QUATTRO-PE	2,5mm ²		
PTTB 2,5	2,5mm ²	22A	500V
PTTB 2,5-PE	2,5mm ²		
PTTB 2,5-PE/L	2,5mm ²	24A	500V
PTTB 2,5-PE/N	2,5mm ²	24A	500V
PTTB 2,5-PV	2,5mm ²	24A	800V
PTTB 2,5-LA 24RD	2,5mm ²	22A	500V
PTTB 2,5-LA 60RD	2,5mm ²	22A	500V
PTTB 2,5-LA 230	2,5mm ²	22A	500V
PTTB 2,5/2P	2,5mm ²	22A	500V
PTTB 2,5/2P-PE	2,5mm ²		
PTTB 2,5/2P-PV	2,5mm ²	22A	500V
PTTBS 2,5	2,5mm ²	22A	500V
PTTBS 2,5-PE	2,5mm ²		
PTTBS 2,5-PV	2,5mm ²	22A	500V

Type designation	Cross-section	Rated current	Rated voltage
PTTBS 2,5-TWIN	2,5mm ²	20A	800V
PTTBS 2,5-TWIN-PE	2,5mm ²		
PTTBS 2,5-TWIN-PV	2,5mm ²	20A	800V
PTTBS 2,5-TWIN/2P	2,5mm ²	20A	800V
PTTBS 2,5-TWIN/2P-PE	2,5mm ²		
PTTBS 2,5-TWIN/2P-PV	2,5mm ²	20A	800V
PTTBS 2,5-QUATTRO	2,5mm ²	20A	800V
PTTBS 2,5-QUATTRO-PE	2,5mm ²		
PTTBS 2,5-QUATTRO-PV	2,5mm ²	20A	800V
PP-H 2,5/1-R	2,5mm ²	24A	500V
PP-H 2,5/ XX (2-15polig)	2,5mm ²	24A	500V
PP-H 2,5/1-L	2,5mm ²	24A	500V
PP-H 2,5/1-M	2,5mm ²	24A	500V
PTS 1,5/S	1,5mm ²	17,5A	500V
PTS 1,5/S-PE	1,5mm ²		
PTS 1,5/S-TWIN	1,5mm ²	17,5A	500V
PTS 1,5/S-TWIN-PE	1,5mm ²		
PTS 1,5/S-QUATTRO	1,5mm ²	17,5A	500V
PTS 1,5/S-QUATTRO-PE	1,5mm ²		
PTTB 1,5/S	1,5mm ²	16A	500V
PTTB 1,5/S-L/N	1,5mm ²	16A	500V
PTTB 1,5/S-PV	1,5mm ²	16A	500V
PTTB 1,5/S-PE	1,5mm ²		
PTTB 1,5/S-PE/L	1,5mm ²	16A	500V
PTTB 1,5/S-PE/N	1,5mm ²	16A	500V
PT 1,5/S-3L	1,5mm ²	15A	500V
PT 1,5/S-3PE	1,5mm ²		
PT 1,5/S-3PV	1,5mm ²	15A	500V
PT 1,5/S-3PE/L/N	1,5mm ²	15A	500V
PT 1,5/S-3PE/L/L	1,5mm ²	15A	500V
PTTBS 1,5/S	1,5mm ²	16A	500V
PTTBS 1,5/S-PE	1,5mm ²		
PTTBS 1,5/S-PV	1,5mm ²	16A	500V
PT 1,5/S/1P	1,5mm ²	17,5A**	500V
PT 1,5/S/1P-PE	1,5mm ²		
PT 1,5/S-TWIN/1P	1,5mm ²	17,5A**	500V
PT 1,5/S-TWIN/1P-PE	1,5mm ²		
PT 1,5/S-QUATTRO/2P	1,5mm ²	17,5A**	500V
PT 1,5/S-QUATTRO/2P-PE	1,5mm ²		
PTTB 1,5/S/2P	1,5mm ²	16A**	500V
PTTB 1,5/S/2P-PE	1,5mm ²		
PTTB 1,5/S/2P-PV	1,5mm ²	16A**	500V
PTS 1,5/S/1P	1,5mm ²	17,5A**	500V
PTS 1,5/S/1P-PE	1,5mm ²		
PTS 1,5/S-TWIN/1P	1,5mm ²	17,5A**	500V
PTS 1,5/S-TWIN/1P-PE	1,5mm ²		
PTTBS 1,5/S/2P	1,5mm ²	16A**	500V
PTTBS 1,5/S/2P-PE	1,5mm ²		
PTTBS 1,5/S/2P-PV	1,5mm ²	16A**	500V

Type designation	Cross-section	Rated current	Rated voltage
PP-H 1,5/S/x (1-15polig)	1,5mm ²	17,5A**	500V
PP-H 1,5/S/1-L	1,5mm ²	17,5A**	500V
PP-H 1,5/S/1-M	1,5mm ²	17,5A**	500V
PP-H 1,5/S/1-R	1,5mm ²	17,5A**	500V
PPC 1,5/S/x (2-15polig)	1,5mm ²	17,5A	500V
PPC 1,5/S/1-L	1,5mm ²	17,5A	500V
PPC 1,5/S-NS/1-L	1,5mm ²	17,5A	500V
PTU 4-TWIN	4mm ²	32A	800V
PTU 4-TWIN-PE	4mm ²		
PTU 2,5-TWIN	2,5mm ²	24A	800V
PTU 2,5-TWIN-PE	2,5mm ²		
PT 2,5-MTB	2,5mm ²	16A	800V
PT 2,5-TWIN-MTB	2,5mm ²	16A	800V
PT 2,5-QUATTRO-MTB	2,5mm ²	16A	800V
PT 2,5-TGB	2,5mm ²	16A	800V
PT 2,5-TWIN-TGB	2,5mm ²	16A	800V
PT 2,5-QUATTRO-TGB	2,5mm ²	16A	800V
PT 2,5-QUATTRO-TG	2,5mm ²	16A	800V
PT 4	4mm ²	32A	800V
PT 4-PE	4mm ²		
PT 4-MT	4mm ²	20A	400V
PT 4-TG	4mm ²	20A	400V*
PT 4-DIO 1 N 5408/L-R	4mm ²	1,5A*	800V
PT 4-DIO 1 N 5408/R-L	4mm ²	1,5A*	800V
PT 4-FSI/F	4mm ²	10A*	400V*
PT 4-FSI/F-LED 12	4mm ²	10A*	400V*(15V)
PT 4-FSI/F-LED 24	4mm ²	10A*	400V*(30V)
PT 4-QUATTRO	4mm ²	32A	800V
PT 4-QUATTRO-PE	4mm ²		
PT 4-QUATTRO-DIO 1 N 5408/L-R	4mm ²	1,5A*	800V
PT 4-QUATTRO-DIO 1 N 5408/R-L	4mm ²	1,5A*	800V
PT 4-TWIN	4mm ²	32A	800V
PT 4-TWIN-PE	4mm ²		
PT 4-HESI (5x20)	4mm ²	6,3A*	400V (250V)*
PT 4-HESILA 250 (5x20)	4mm ²	6,3A*	400V (250V)*
PT 4-HESILED 24 (5x20)	4mm ²	6,3A*	400V (30V)*
PT 4-HESILED 60 (5x20)	4mm ²	6,3A*	400V (60V)*
PTS 4	4mm ²	32A	800V
PTS 4-PE	4mm ²		
PTS 4-TWIN	4mm ²	32A	800V
PTS 4-TWIN-PE	4mm ²		
PTS 4-QUATTRO	4mm ²	32A	800V
PTS 4-QUATTRO-PE	4mm ²		
PTTBS 4	4mm ²	32A	800V
PTTBS 4-PV	4mm ²	32A	800V
PTTBS 4-PE	4mm ²		
PTTB 4	4mm ²	28A	500V
PTTB 4-PE	4mm ²		
PTTB 4-PV	4mm ²	28A	500V
PTTB 4-TG	4mm ²	28A	500V

Type designation	Cross-section	Rated current	Rated voltage
PT 6	6mm ²	41A	1000V
PT 6-PE	6mm ²		
PT 6-TWIN	6mm ²	41A	1000V
PT 6-TWIN-PE	6mm ²		
PT 6-QUATTRO	6mm ²	41A	1000V
PT 6-QUATTRO-PE	6mm ²		
PT 6-HESI (6,3x32)	6mm ²	10A*	400V
PT 6 HESILED 24 (6,3x32)	6mm ²	10A*	400V (30V)*
PT 6 HESILED 60 (6,3x32)	6mm ²	10A*	400V (60V)*
PT 6 HESILED 250 (6,3x32)	6mm ²	10A*	400V (250V)*
PT 10	10mm ²	57A	1000V
PT 10-PE	10mm ²		
PT 10-TWIN	10mm ²	57A	1000V
PT 10-TWIN-PE	10mm ²		
PT 16-N	16mm ²	76A	1000V
PT 16-N-PE	16mm ²		
PT 16-TWIN N	16mm ²	76A	1000V
PT 16-TWIN-N-PE	16mm ²		
PT 4/1P	4mm ²	32A	800V
PT 4/1-PE	4mm ²		
PP-H4/xx (1-15 polig)	4mm ²	32A	800V
PP-H4/1	4mm ²	32A	800V
PP-H4/1-M	4mm ²	32A	800V
PP-H4/1-L	4mm ²	32A	800V
PP-H4/1-R	4mm ²	32A	800V
P-CO L	0,5mm ²	6A	250V
P-CO 1N4007/R-L	diode	1A	250V
P-CO 1N4007/L-R	diode	1A	250V
P-CO	0,5mm ²	6A	250V
P-CO XL	0,5mm ²	10A	400V
P-CO XL SKN	SKN diode	1.25A	400V
P-CO XL-UT		10A	400V

Application/Limitation

Location Classes:

Temperature: A, Humidity: B, Vibration: B

() Operation voltage for LED

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

** Derating curve must be recognized

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

Tests carried out

Class Guideline DNV-CG-0339, Edition August 2021, IEC 60947-7-1:2009; 60947-7-2:2009

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.

Manufacturing place

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Ul. Celna 5
64-300 Nowy Tomysl
Polen

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Nanjing 211100, China

END OF CERTIFICATE