



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Phoenix Contact GmbH & Co. KG
Address	Flachsmarktstr. 8, Blomberg, 32825, Germany
Place of Production	Phoenix Contact GmbH & Co. KG Flachsmarktstr. 8, Blomberg, 32825, Germany
Place of Production	Phoenix Contact Inc. 586 Fulling Mill Road, Middletown, PA, 17057, United States
Place of Production	Phoenix Contact Wielkopolska Sp. z o.o. Ul. Celna 5, Nowy Tomyśl, 64-300, Poland
Place of Production	PHOENIX FEINBAU GmbH & Co. KG Gustavstraße 3, 58511 Lüdenscheid, Germany
Place of Production	Phoenix Contact Asia-Pacific (Nanjing) Co., Ltd. No. 6 Mozhou East Road, Jiangning Development Zone, Nanjing, 211100, China
Place of Production	Phoenix Contact Wielkopolska Sp. z o.o. Ul. Strefowa 2, Tarnobrzeg, 39-400, Poland
Type	Terminals/Insulators
Description	Push-in connection terminal blocks

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Type Approval Certificate

PT... Feed-through and ground modular terminal block
Disconnect terminal block
Multi-level terminal block
PT... Component terminal block
PTS... Feed-through and ground modular terminal block
PTTB... / PTTBS... Double-level terminal block
PPC... / PP-H... Plug

For further details, pls. refer to appendix.

Trade Name	PT, PTS, PTTB, PTTBS, PPC, PP-H
Application	Marine applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002.
Specified Standard	IEC 60947-7-1: 2009 IEC 60947-7-2: 2009 IEC 60947-7-3: 2009 IEC 61984: 2008
Ratings	Nominal voltage: 24 V to 1000 V Nominal current: 1.5 A to 76 A Rated cross section: 1.5 mm ² to 16 mm ² For further details, pls. refer to appendix.
Other Conditions	For terminal blocks and connectors, the de-rating diagram of the rated current for different connectors and ambient temperatures of the manufacturer is to be considered. Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.



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If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: This certificate supersedes certificate number LR2371832TA issued on 21 March 2023 which is hereby cancelled.

The Design Appraisal Document TSO/24-014067 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

DESCRIPTION

Push-in connection terminal blocks (with plug connection)
PT... Feed-through and ground modular terminal block
Disconnect terminal blocks
Multi-level terminal block
Component terminal block
PTS... Feed-through and ground modular terminal block
PTTB... Double-level terminal block
PTTBS... Double-level terminal block
PPC Plug
PP-H Plug

RATINGS

Part No.	Type	Conductor size (mm ²) ⁽¹⁾	Current (A)	Voltage (V)
PT... Feed-through and ground modular terminal block				
3208100	PT 1,5/S	1.5	17.5	500
3208139	PT 1,5/S-PE	1.5	-	-
3208155	PT 1,5/S-TWIN	1.5	17.5	500
3208171	PT 1,5/S-TWIN-PE	1.5	-	-
3208197	PT 1,5/S-QUATTRO	1.5	17.5	500
3208333	PT 1,5/S-QUATTRO-PE	1.5	-	-
3208359	PT 1,5/S-QUATTRO-U	1.5	15	500
3208582	PT 1,5/S/1P ⁽³⁾	1.5	17.5	500
3212332	PT 1,5/S/1P-PE	1.5	-	-
3212358	PT 1,5/S-TWIN/1P ⁽³⁾	1.5	17.5	500
3212374	PT 1,5/S-TWIN/1P-PE	1.5	-	-
3212390	PT 1,5/S-QUATTRO/2P ⁽³⁾	1.5	17.5	500
3212413	PT 1,5/S-QUATTRO/2P-PE	1.5	-	-
3209510	PT 2,5	2.5	24	800
3209536	PT 2,5-PE	2.5	-	-
3209549	PT 2,5-TWIN	2.5	24	800
3209565	PT 2,5-TWIN-PE	2.5	-	-
3209578	PT 2,5-QUATTRO	2.5	24	800
3209594	PT 2,5-QUATTRO-PE	2.5	-	-
3210033	PT 2,5/1P	2.5	24	500
3210059	PT 2,5/1P-PE	2.5	-	-
3210525	PT 2,5-3PE	2.5	-	-
3209633	PT 2,5-TWIN/1P	2.5	24	500
3209659	PT 2,5-TWIN/1P-PE	2.5	-	-
3209662	PT 2,5-QUATTRO/2P	2.5	24	500
3209688	PT 2,5-QUATTRO/2P-PE	2.5	-	-

RATINGS (continued)

Part No.	Type	Conductor size (mm ²) ⁽¹⁾	Current (A)	Voltage (V)
PT... Feed-through and ground modular terminal block				
3211757	PT 4	4	32	800
3211766	PT 4-PE	4	-	-
3211771	PT 4-TWIN	4	32	800
3211780	PT 4-TWIN-PE	4	-	-
3211797	PT 4-QUATTRO	4	32	800
3211809	PT 4-QUATTRO-PE	4	-	-
3211813	PT 6	6	41	1000
3211822	PT 6-PE	6	-	-
3211929	PT 6-TWIN	6	41	1000
3211498	PT 6-TWIN-PE	6	-	-
3212934	PT 6-QUATTRO	6	41	1000
3212950	PT 6-QUATTRO-PE	6	-	-
3212120	PT 10	10	57	1000
3212131	PT 10-PE	10	-	-
3208746	PT 10-TWIN	10	57	1000
3208745	PT 10-TWIN-PE	10	-	-
3212138	PT 16 N	16	76	1000
3212147	PT 16 N-PE	16	-	-
3208760	PT 16-TWIN N	16	76	1000
3208786	PT 16-TWIN N-PE	16	-	-
PT... Disconnect terminal block				
3210156	PT 2,5-MT	2.5	20	400
3210157	PT 2,5-MTB	2.5	16	400
3210169	PT 2,5-TWIN-MT	2.5	20	400
3210170	PT 2,5-TWIN-MTB	2.5	16	400
3210172	PT 2,5-QUATTRO-MT	2.5	20	400
3210184	PT 2,5-QUATTRO-MTB	2.5	16	400
3210185	PT 2,5-TG	2.5	20	400
3210192	PT 2,5-TGB	2.5	16	400
3210193	PT 2,5-TWIN-TGB	2.5	16	400
3210194	PT 2,5-QUATTRO-TGB	2.5	16	400
3210198	PT 2,5-TWIN-TG	2.5	20	400
3210208	PT 2,5-QUATTRO-TG	2.5	20	400
3211933	PT 4-MT	4	20	400
3211922	PT 4-TG	4	20	400

RATINGS (continued)

Part No.	Type	Conductor size (mm ²) ⁽¹⁾	Current (A)	Voltage (V)
PT... Multi-level terminal block				
3213713	PT 1,5/S-3L	1.5	15	500
3213739	PT 1,5/S-3PE	1.5	-	-
3213742	PT 1,5/S-3PV	1.5	15	500
3213755	PT 1,5/S-PE/L/N	1.5	15	500
3213768	PT 1,5/S-PE/L/L	1.5	15	500
3210499	PT 2,5-3L	2.5	20	500
3210512	PT 2,5-3PV	2.5	20	500
3210538	PT 2,5-PE/L/N	2.5	20	500
3210541	PT 2,5-PE/L/L	2.5	20	500

PT... Component terminal block ⁽²⁾				
3212112	PT 4-DIO 1N 5408/L-R	4	1.5	800
3212125	PT 4-DIO 1N 5408/R-L	4	1.5	800
3211919	PT 4-QUATTRO-DIO 1N 5408/L-R	4	1.5	800
3211921	PT 4-QUATTRO-DIO 1N 5408/R-L	4	1.5	800
3208943	PT 4-FSI/F	-	-	-
3208951	PT 4-FSI/F-LED 12	-	-	-
3208964	PT 4-FSI/F-LED 24	-	-	-
3211861	PT 4-HESI (5X20)	4	6.3	400
3211907	PT 4-HESILA 250 (5X20)	4	6.3	400
3211903	PT 4-HESILED 24 (5X20)	4	6.3	400
3207908	PT 4-HESILED 60 (5X20)	4	6.3	400

PTS... Feed-through and ground modular terminal block				
3214547	PTS 1,5/S	1.5	17.5	500
3214563	PTS 1,5/S-PE	1.5	-	-
3214589	PTS 1,5/S-TWIN	1.5	17.5	500
3214602	PTS 1,5/S-TWIN-PE	1.5	-	-
3214615	PTS 1,5/S-QUATTRO	1.5	17.5	500
3214644	PTS 1,5/S-QUATTRO-PE	1.5	-	-
3214453	PTS 1,5/S/1P ⁽³⁾	1.5	17.5	500
3214479	PTS 1,5/S/1P-PE	1.5	-	-
3214709	PTS 1,5/S-TWIN/1P ⁽³⁾	1.5	17.5	500
3214725	PTS 1,5/S-TWIN/1P-PE	1.5	-	-
3211799	PTS 2,5	2.5	24	800
3211867	PTS 2,5-PE	2.5	-	-
3211896	PTS 2,5-TWIN	2.5	24	800
3211935	PTS 2,5-TWIN-PE	2.5	-	-
3211993	PTS 2,5-QUATTRO	2.5	24	800
3212011	PTS 2,5-QUATTRO-PE	2.5	-	-

RATINGS (continued)

Part No.	Type	Conductor size (mm ²) ⁽¹⁾	Current (A)	Voltage (V)
PTTB... Double-level terminal block				
3208511	PTTB 1,5/S	1.5	16	500
3208544	PTTB 1,5/S-L/N	1.5	16	500
3208540	PTTB 1,5/S-PV	1.5	16	500
3208537	PTTB 1,5/S-PE	1.5	-	-
3208553	PTTB 1,5/S-PE/L	1.5	16	500
3208566	PTTB 1,5/S-PE/N	1.5	16	500
3212439	PTTB 1,5/S/2P ⁽³⁾	1.5	16	500
3212455	PTTB 1,5/S/2P-PE	1.5	-	-
3212468	PTTB 1,5/S/2P-PV ⁽³⁾	1.5	16	500
3210567	PTTB 2,5	2.5	22	500
3210596	PTTB 2,5-PE	2.5	-	-
3210583	PTTB 2,5-PV	2.5	22	500
3210871	PTTB 2,5/2P	2.5	24	500
3210897	PTTB 2,5/2P-PE	2.5	-	-
3210907	PTTB 2,5/2P-PV	2.5	22	500
3210978	PTTB 2,5-PE/N	2.5	24	500
3210981	PTTB 2,5-PE/L	2.5	24	500
3210981	PTTB 2,5-PE/N	2.5	24	500
3211456	PTTB 2,5-LA 24 RD	2.5	22	24
3211469	PTTB 2,5-LA 60 RD	2.5	22	60
3211472	PTTB 2,5-LA 230	2.5	22	230
3211786	PTTB 4	4	28	500
3211854	PTTB 4-PE	4	-	-
3211825	PTTB 4-PV	4	28	500

PTTBS... Feed-through and ground modular terminal block				
3214657	PTTBS 1,5/S	1.5	16	500
3214673	PTTBS 1,5/S-PE	1.5	-	-
3214686	PTTBS 1,5/S-PV	1.5	16	500
3214495	PTTBS 1,5/S/2P ⁽³⁾	1.5	16	500
3214518	PTTBS 1,5/S/2P-PE	1.5	-	-
3214521	PTTBS 1,5/S/2P-PV ⁽³⁾	1.5	16	500
3209604	PTTBS 2,5	2.5	22	500
3209620	PTTBS 2,5-PE	2.5	-	-
3210211	PTTBS 2,5-PV	2.5	22	500

RATINGS (continued)

Part No.	Type	Conductor size (mm ²) ⁽¹⁾	Current (A)	Voltage (V)
PPC... Plug ⁽³⁾				
3213386	PPC 1,5/S/x (2-15 poles)	1.5	17.5	500
3213357	PPC 1,5/S/ 1-L	1.5	17.5	500
3213700	PPC 1,5/S-NS/ 1-L	1.5	17.5	500

PP-H... Plug ⁽³⁾				
3212484	PP-H 1,5/S/x (1-15 poles)	1.5	17.5	500
3212659	PP-H 1,5/S/1-L	1.5	17.5	500
3212688	PP-H 1,5/S/1-M	1.5	17.5	500
3212714	PP-H 1,5/S/1-R	1.5	17.5	500
3209866	PP-H 2,5/x (1-15 poles) ⁽⁴⁾	2.5	24	500
3210062	PP-H 2,5/1-L	2.5	24	500
3210091	PP-H 2,5/1-M	2.5	24	500
3210127	PP-H 2,5/1-R	2.5	24	500

- (1) Conductors of nominal cross-section area 2.5 mm² and less need not be stranded.
- (2) Current and voltage rating are depending on the fuse size, LED or connector.
- (3) For terminal blocks and connectors, the derating diagram of the rated current for different connectors and ambient temperatures is to be considered.
- (4) Connector name as listed above is followed by a number from 1 to 15 indicating the numbers of connection poles.

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