



CERTIFICATE NUMBER	21-2192245-PDA
EFFECTIVE DATE	13-Jan-2022
EXPIRY DATE	12-Jan-2027
ABS TECHNICAL OFFICE	Hamburg Engineering Department

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

PHOENIX CONTACT GMBH & CO. KG

located at

FLACHSMARKTSTR. 8, BLOMBERG, Germany, D-32825

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Electrical Wire Terminal Block
Model: CLIPLINE PT 1,5..., PTTB 1,5..., PT 2,5 ..., PTTB 2,5 ..., PTS 2,5 ..., PTTBS 2,5 ..., PT 4..., PTTB 4..., PT 6..., PT 10...
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 12/Jan/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping


Efstratios Maliatsos, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

PHOENIX CONTACT GMBH & CO. KG

FLACHSMARKTSTR. 8

BLOMBERG

Germany D-32825

Telephone: +49-5235-3120-00

Fax: +49-5235-3129-99

Email: info@phoenixcontact.de

Web: www.phoenixcontact.com

Tier: 2 - PDA Issued

Product: Electrical Wire Terminal Block

Model: CLIPLINE PT 1,5..., PTTB 1,5..., PT 2,5 ..., PTTB 2,5 ..., PTS 2,5 ..., PTTBS 2,5 ..., PT 4..., PTTB 4..., PT 6..., PT 10...

Endorsements:

Intended Service:

Feed through wire terminal blocks.

Description:

PT 1,5 / -S/ -S-PE/ -S-TWIN/ -S-TWIN-PE/ -S-QUATTRO/ -S-QUATTRO-PE.

PTTB 1,5 / -S/ -S-PE/ -S-PV.

PT 2,5 / -PE/ -TWIN/ -TWIN-PE/ -QUATTRO/ -QUATTRO-PE/ -3L/ -3PE/ -3PV/ -(R1)/ -TWIN (R1)/ -QUATTRO (R1)/ -PE (R1)/ -TWIN-PE (R1)/ -QUATTRO-PE (R1)/ -2,5 (R1)/ -PV (R1)/ -PE (R1).

PTTB 2,5 / -PE / -PV/ -L.

PTS 2,5 / -PE/ -TWIN/ -TWIN-PE/ -QUATTRO/ -QUATTRO-PE.

PTTBS 2,5 / -PE/ -PV.

PT 4 / -PE/ -TWIN/ -TWIN-PE/ -QUATTRO/ -QUATTRO-PE.

PTTB 4 / -PE/ -PV.

PT 6 / -PE/ -QUATTRO/ -QUATTRO-PE/ -TWIN/ -TWIN-PE.

PT 10 / -PE/ -TWIN/ -TWIN-PE.

Rating:

Wire cross sections: 1,5 mm², 2,5 mm², 4 mm², 6 mm², 10 mm².

Electric loads: 250V/ 22A, 400V/ 20A, 500V/ 22A/ 24A, 800V/ 24A (as per manufacturers specifications).

Service Restriction:

Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The particular applications are to be approved together with the system or equipment in which the terminals are used.
3. Installation as per manufacturer's instructions.

Notes/Drawing/Documentation:

Document No. LDB_PT_1.5-S, Data Sheets PT 1,5, Revision: 2015-09, Pages: 56.

Document No. LDB_PT_2.5, Data Sheets PT 2,5, Revision: 2012-03, Pages: 193.

Document No. LDB_PT_4, Data Sheets PT 4, Revision: 2015, Pages: 59.

Document No. LDB_PT_6, Data Sheets PT 6, Revision: 2015, Pages: 39.

Document No. LDB_PT_10, Data Sheets PT 10, Revision: 2012, Pages: 23.

IEC 60947-7-1/2 Test Certificates & Test Reports

Document No. IEC TC PT 10, IEC Test Certificate of 11 Mar 2016 PT 10, Revision: -, Pages: 4.

Document No. IEC TC PT 1.5, IEC Test Certificate of 10 Apr 2014 PT 1.5, Revision: -, Pages: 3.

Document No. IEC TC 2.5, IEC Test Certificate of 22 Jul 2016 PT 2.5, Revision: -, Pages: 4.

Document No. IEC TC PT 4, IEC Test Certificate of 4 Apr 2016 PT 4, Revision: -, Pages: 3.

Document No. IEC TC PT 6, IEC Test Certificate of 13 May 2016 PT 6, Revision: -, Pages: 4.

Document No. PB_PT_1.5-S, Test Reports of 12 June 2013 PT 1.5, Revision: -, Pages: 45.

Document No. TPB_PT_1.5-S, Type Test Reports of 18 Sep 2014 PT 1.5, Revision: -, Pages: 272.

PHOENIX CONTACT GMBH & CO. KG

FLACHSMARKTSTR. 8

BLOMBERG

Germany D-32825

Telephone: +49-5235-3120-00

Fax: +49-5235-3129-99

Email: info@phoenixcontact.de

Web: www.phoenixcontact.com

Tier: 2 - PDA Issued

Document No. PB_PT_4, Test Reports of 6 Mar 2013 PT 4, Revision: -, Pages: 132.

Document No. TB_PT_4, Type Test Reports of 25 Jan 2013 PT 4, Revision: -, Pages: 103.

Document No. TPB_PT_6, Type Test Reports of 5 Sep 2014 PT 6, Revision: -, Pages: 200.

Document No. TPB_PT_10, Type Test Reports of 17 Feb 2012 PT 10, Revision: -, Pages: 141.

Document No. U114296E1_2nd_Version, Test Reports of 28 Mar 2012 PT 10, Revision: -, Pages: 64.

Document No. U114296E1_2nd_Version, Type Test Reports of 28 Mar 2012 PT 6, Revision: -, Pages: 64.

-----Reval. 2021-----

Drawing No. TR_35802_3211813_00_EN, PT 6, Type Test Report (Marine Rules), Phoenix Contact GmbH, 10 Dec 2021

Drawing No. TR_35803_3211822_00_EN, PT 6-PE, Type Test Report (Marine Rules), Phoenix Contact GmbH, 11 Dec 2021

Drawing No. TR_35804_3212934_00_EN, PT 6-QUATTRO, Type Test Report (Marine Rules), Phoenix Contact GmbH, 11 Dec 2021

Drawing No. TR_35805_3212950_00_EN, PT 6-QUATTRO-PE, Type Test Report (Marine Rules), Phoenix Contact GmbH, 11 Dec 2021

Drawing No. TTR_1601_3211813_4_EN, PT 6, IEC 60947-7-1 Test Report, Phoenix Contact GmbH, 24 Mar 2021

Drawing No. TTR_1602_3211822_4_EN, PT 6-PE, IEC 60947-7-1 Test Report, Phoenix Contact GmbH, 24 Mar 2021

Drawing No. TTR_1729_3211929_4_EN, PT 6-TWIN, IEC 60947-7-1 Test Report, Phoenix Contact GmbH, 24 Mar 2021

Drawing No. TTR_1730_3211498_3_EN, PT 6-TWIN-PE, IEC 60947-7-2 Test Report, Phoenix Contact GmbH, 01 Apr 2021

Drawing No. TTR_1731_3212934_4_EN, PT 6-QUATTRO, IEC 60947-7-1 Test Report, Phoenix Contact GmbH, 31 Mar 2021

Drawing No. TTR_1732_3212950_4_EN, PT 6-QUATTRO-PE, IEC 60947-7-2 Test Report, Phoenix Contact GmbH, 06 Apr 2021

Terms of Validity:

This Product Design Assessment (PDA) Certificate remains valid until 12/Jan/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

STANDARDS

ABS Rules:

2021 Marine Vessel Rules: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/1.7, 4-8-3/1.11.1, 4-8-3/1.17, 4-8-3/9.23, 4-8-4/21.26

2021 Mobile Offshore Units: 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-3-1/11, 4-3-1/15, 4-3-1/17.1

National:

NA

International:

IEC 60947-7-1:2009

IEC 60947-7-2:2009

PHOENIX CONTACT GMBH & CO. KG
FLACHSMARKTSTR. 8
BLOMBERG
Germany D-32825
Telephone: +49-5235-3120-00
Fax: +49-5235-3129-99
Email: info@phoenixcontact.de
Web: www.phoenixcontact.com
Tier: 2 - PDA Issued

Government:
NA

EUMED:
NA

OTHERS:
NA