

CERTIFICATE NUMBER 18-HG1702523-PDA DATE 10 Jan 2018

ABS TECHNICAL OFFICE
Hamburg Engineering Department

CERTIFICATE OF

DESIGN ASSESSMENT

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

TRAFAG AG

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:

Pressure Switch

Model:

Pressure Switch 9B4 - PICOSTAT PST4B

This Product Design Assessment (PDA) Certificate 18-HG1702523-PDA, dated 10/Jan/2018 remains valid until 09/Jan/2023 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

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Tier: 2 - PDA Issued

Product:

Pressure Switch

Model:

Pressure Switch 9B4 - PICOSTAT PST4B

Intended Service:

Pressure control, alarm and monitoring functions for marine applications.

Bellow type pressure switch. Housing made of AlSi10Mg (or LM6). Bronze bellows: NG10, NG15, NG22.

Model 9B4.--74: Pressure Range: -0.6 to 3.4 bar; Pmax: 12 bar; Model 9B4.--76: Pressure Range: 0 to 4 bar; Pmax: 12 bar; Model 9B4.--77: Pressure Range: 0 to 6 bar; Pmax: 12 bar; Model 9B4.--78: Pressure Range: 1 to 10 bar; Pmax: 24 bar; Model 9B4.--79: Pressure Range: 1 to 16 bar; Pmax: 24 bar; Model 9B4.--80: Pressure Range: 2 to 25 bar; Pmax: 40 bar; Model 9B4.--81: Pressure Range: 4 to 40 bar; Pmax: 50 bar.

Maximum Ambient Operating Temperature: -25° C to 125° C.

Maximum Medium Temperature: -25° C to 125° C.

Maximum Electric Contact Load:

- Microswitch 42: 250 V AC / 6 (1) A, 220 V DC / 0.25 (0.1) A, 110 V DC / 0.5 (0.2) A, 60 V DC / 1 (0.5) A, 24 V DC / 3 (2) A, 12 V DC / 6 (6) A;
- Microswitch 84: max 30 V / 0.1 (0.1) A; min 5 V / 5 mA.
Enclosure Protection Degree: IP 65, IEC 60529.

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.

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

Drawing No. C14613g, Dimension Drawing, Revision: g, Pages: 1 Drawing No. C20784m, Dimension Drawing, Revision: m, Pages: 1 Drawing No. H72367n, Data Sheet, Revision: -, Pages: 1
Drawing No. V-11140, Test Report, Trafag, 20/06/2012, Revision: -, Pages: 1

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STANDARDS

ABS Rules: 2018 Steel Vessel Rules 1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/1.7, 4-8-3/1.11.1, 4-8-3/1.17, 4-9-8/13.1

National:

NA

International:

Government:

NA

EUMED:

NA

OTHERS:

NA