

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Pressure Switch**with type designation(s)
Picostat 9B0, 9K0, 9M0

Issued to

Trafag AG
Bubikon, ZH, Switzerlandis found to comply with
DNV GL 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 GL.****Location classes:**

Temperature	B
Humidity	B
Vibration	B
EMC	B
Enclosure	B

Issued at **Hamburg** on **2019-04-15**for **DNV GL**This Certificate is valid until **2024-04-14**.DNV GL local station: **Augsburg**Approval Engineer: **Dariusz Lesniewski**

Joannis Papanuskas
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.



Job Id: **262.1-031021-1**
Certificate No: **TAA000028Y**

Product description

9B0: bellow sensor

Ranges [bar]: -0.6...3.4, 0...4, 0...6, 1...10, 1...16, 2...25, 4...40

9K0: piston type sensor

Ranges [bar]: 1...10, 1...16, 2...25, 4...40, 6...60, 10...100, 16...160, 25...250, 40...400

9M0: membrane sensor

Ranges [bar]: 1...10, 1...16, 2...25, 4...40, 6...60, 10...100

Output: 1 c/o - contact

Contact type:

20

28

83

Rating (inductive load):

3 A, 250 V AC

1 A, 250 V AC

0.2 A, 30 V AC

Female electrical connector: DIN43650-A

Degree of protection: IP 65

Place of manufacture

Trafag spol s.r.o.

CZ-34701 Tachov

Type Approval documentation

Test report: 9B0, 9K0, 9M0

Drawings: D23121g, D23122f, D23123f, D23131g, D23132f, D23133f, D23134f

Drawings: D23141e, D23142d, D23143e, E00930d

Data sheet: H72202o

Type approval assessment report issued at Prague on 2019-03-28

Tests carried out

Applicable tests according to class guideline DNVGL-CG-0339, November 2016.

Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number
- power supply ratings

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the 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.

END OF CERTIFICATE