



## TYPE APPROVAL CERTIFICATE

**Certificate No.** : HMB32779-AE005                      **Initial Approval** : 12th November, 2012.  
**Product** : Pressure Switch  
**Manufacturer** : Trafag, spol. s.r.o.  
Vilemovska, 2129 347 01, Tachov, Czech Republic

**Product Description** : Bellow-type Pressure switch  
(Picostat PST4B 9B4 with microswitch 42 and 84)  
" See Appendix 1 "

**Approval Condition** : " See Appendix 1 "

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 11th November, 2017.  
Issued at Busan, Korea on 10th February, 2015.



**KOREAN REGISTER OF SHIPPING**

General Manager of  
Class Equipment Team

**Note :1** : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.  
**2** : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

## Appendix 1

# Product Description and/or Approval Condition

Certificate No : HMB32779-AE005

Date of Issue : 10th February, 2015.

### A. Description:

- a) Sensor type: bellows
- b) Output : Floating change-over contact
- c) Switching differential: not adjustable
- d) Enclosure: IP65
- e) Microswitches type:
  - e-1) 42 (Standard, Silver contacts)
    - Rating 250V AC / 6(1)A
    - 220V DC / 0.25(0.1)A
    - 110V DC / 0.5(0.2)A
    - 60V DC / 1(0.5)A
    - 24V DC / 3(2)A
    - 12V DC / 6(6)A
  - e-2) 84 (Gold plated contacts)
    - Rating max. 30V / 0.1(0.1)A
    - min. 5V / 5mA

f) Measuring range: see below Table

Measuring Range	(bar)   -0.6~3.4 (psi)   -8~45	0~4 0~50	0~6 0~100	1~10 14~150	1~16 14~250	2~25 30~400	4~40 60~500
Micro Switch Differential	0.3 	0.3	0.3	0.6	0.6	1.5	1.8
Max. pressure (bar)	12	12	12	24	24	40	50

### B. Documentation:

H72367a, H72367a\_spec, E01301 Rev.b, G20784 Rev.b, E01304 Rev.e,

### C. Approval Condition:

1. This approval is granted on the basis of the approved drawing and the test report V-11140 issued by Trafag.
2. The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.
3. Individual Product Certification is not required.

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