



TYPE APPROVAL CERTIFICATE



N. ELE335818CS

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

<i>Description</i>	Pressure Switches
<i>Type</i>	PICOSTAT 9B4 (PST4B) PICOSTAT 9M4 (PST4M) PICOSTAT 9K4 (PST4K)
<i>Applicant</i>	Trafag AG Industriestrasse 11 CH-8608 Bubikon Switzerland
<i>Manufacturer</i>	Trafag spol. s.r.o. Vilemovska 2129 CZ-34701 Tachov Czech Republic
<i>Testing Standards</i>	Rules for the Classification of Ships - Part C - Machinery, Systems and Fire protection - Ch.3, Sect.6, Tab.1

Issued in **Genova** on **November 09, 2018**

This certificate is valid until **December 17, 2023**

RINA Services S.p.A.

Valerio Bonanni



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PICOSTAT 9B4 Main features

Sensor type: bellow

Measuring range: - 0.6 ... 3,4 to 4 ... 40 bar

Output: floating change-over contact

Switching differential : not adjustable

Repeatability: $\pm 0,5$ % F.S. typ.

Mechanical protection: IP65

Microswitches type 33 - 42 / 84 (golden plated)

Bellow sensor (bar)	Measuring Range						
	-0,6 ... 3,4	0 ... 4	0 ... 6	1 ... 10	1 ... 16	2 ... 25	4 ... 40
Microswitch differential	0,2	0,3	0,2	0,6	0,4	1,0	1,2
Max. pressure	12	12	12	24	24	40	50

Technical Description:

Trafag Data Sheet: Trafag - 9B4 Picostat PST4B _ doc. n. H72367q (10/2018)

Trafag Instructions: doc. n. H73367 ; Trafag Drawings: C20784q, C11491

Test Reports:

Trafag report n. V- 08125 (24/10/2008) ; Trafag report n. V- 11140 (20/06/2012)

ENL report n° 20081211.A02.01 (14/10/2008)

PICOSTAT 9M4 Main features

Sensor type: Membrane

Measuring range: 1 ... 10 to 10 ... 100 bar

Output: floating change-over contact

Switching differential : not adjustable

Repeatability: ± 2.0 % F.S. typ.

Mechanical protection: IP65

Microswitches type 33 - 42 (Silver plated) / 84 (golden plated)

Membrane sensor (bar)	Measuring Range					
	1 ... 10	1 ... 16	2 ... 25	4 ... 40	6 ... 60	10 ... 100
Microswitch	0,2 ... 1,7	0,2 ... 1,7	1,2 ... 4,5	1,2 ... 4,5	4 ... 16	4 ... 16
Max Pressure	200	200	200	200	200	200

Technical Description:

Trafag Data Sheet: Trafag - 9M4 Picostat PST4M _ doc. n. H72368h (02/2017)

Trafag Drawing: C22667 rev. h

Test Reports:

Trafag report n. V- 12072 (21/05/2013)



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PICOSTAT 9K4 Main features

Sensor type: Piston

Measuring range: 1 ...10 to 40 ...400 bar

Output: floating change-over contact

Switching differential: not adjustable

Repeatability: ± 1.0 % F.S. typ.

Mechanical protection: IP65

Microswitches type 33 - 42 (Silver plated) / 84 (golden plated)

Piston sensor (bar)	Measuring Range								
	1 ... 10	1 ... 16	2 ... 25	4 ... 40	6 ... 60	10 ... 100	16 ... 160	25 ... 250	40 ... 400
Microswitch	0,4 ... 2,4	0,4 ... 2,4	1 ... 6	1 ... 6	5 ... 15	5 ... 15	12 ... 40	12 ... 40	15 ... 50
Max Pressure	100	100	100	100	200	200	400	400	600

Technical Description:

Trafag Data Sheet: Trafag – 9K4 Picostat PST4K _ doc. n. H72369h (02/2017)

Trafag Drawing: C22668 rev. i

Test Reports:

Trafag report n. V- 12072 (21/05/2013)