



**TYPE APPROVAL CERTIFICATE  
N. ELE195213CS/004**

**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>       | <b>Pressure switches</b>   |
| <i>Type</i>              | <b>Picostat 9B0, 9K0, 9M0</b>  |
| <i>Applicant</i>         | <b>Trafag AG<br/>Industriestrasse 11<br/>CH-8608 Bubikon<br/>Switzerland</b>   |
| <i>Manufacturer</i>      | <b>Trafag, spol. s r.o.<br/>Vilémovská 2129<br/>CZ-347 01 Tachov<br/>Czech Republic</b>                                  |
| <i>Testing Standards</i> | <b>Rules for the Classification of Ships - Part C - Machinery,<br/>Systems and Fire protection - Ch.3, Sect.6, Tab.1</b> |

Issued in **Genova** on **July 01, 2013**

This certificate is valid until **July 01, 2018**

**RINA**

*Valerio Bonanni*

**Genova, July 01, 2013**

RINA  
Via Corsica, 12 - 16128 Genova

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## TYPE APPROVAL CERTIFICATE N. ELE195213CS/004

**Main features:**

Pressure switches: **Picostat 9B0, 9K0, 9M0**

Sensor type: Stainless Steel 316L

9B0 Bellow: Accuracy 0,5 % FS, Repeatability 0,5 % FS (bronze , Stainless Steel)

9M0 Membrane: Accuracy 2 % FS, Repeatability 2,0 % FS (Viton)

9K0 Piston: Accuracy 1 % FS, Repeatability 1,0 % FS (Stainless Steel)

Switching differential: not adjustable

Housing: ALMgSi anodized

Protection: IP65 with plug connector

- (\*) Switch type 20: big switching differential
- Switch type 28: small switching differential
- Switch type 83: gold plated contact,

| 9B0 Bellow type – Switching differential |            |       |       |        |        |        |        |  |
|--|------------|-------|-------|--------|--------|--------|--------|--|
| Range                                    | -0,6...3,4 | 0...4 | 0...6 | 1...10 | 1...16 | 2...25 | 4...40 |  |
| Switch 20                                | 0,3        | 0,3   | 0,3   | 0,7    | 0,7    | 1,6    | 1,6    |  |
| Switch 28/83                             | 0,2        | 0,2   | 0,2   | 0,5    | 0,5    | 1,2    | 1,2    |  |
| Max W.P.                                 | 12         | 12    | 12    | 24     | 24     | 40     | 40     |  |

| 9M0 Membrane type – Switching differential |           |           |           |           |        |          |  |
|--|-----------|-----------|-----------|-----------|--------|----------|--|
| Range                                      | 1...10    | 1...16    | 2...25    | 4...40    | 6...60 | 10...100 |  |
| Switch 20/28/83                            | 0,4...1,7 | 0,4...1,7 | 1,2...4,5 | 1,2...4,5 | 4...16 | 4...16   |  |
| Max W.P.                                   | 200       | 200       | 200       | 200       | 200    | 200      |  |

| 9K0 Piston type – Switching differential |           |           |        |        |        |          |          |          |          |
|--|-----------|-----------|--------|--------|--------|----------|----------|----------|----------|
| Range                                    | 1...10    | 1...16    | 2...25 | 4...40 | 6...60 | 10...100 | 16...160 | 25...250 | 40...400 |
| Switch 20/28/83                          | 0,8...2,4 | 0,8...2,4 | 2...6  | 2...6  | 5...15 | 5...15   | 12...40  | 12...40  | 15...50  |
| Max W.P.                                 | 100       | 100       | 100    | 100    | 200    | 200      | 400      | 400      | 600      |

- Switch type 20: big switching differential
- Switch type 28: small switching differential
- Switch type 83: gold plated contact,

**Technical description**

DataSheet: 9B0 / 9K0 / 9M0 Picostat PST /PSTK/PSTM ; doc. n° 2.1.1.12 (01/2006)