



TYPE APPROVAL CERTIFICATE
No. **ELE420924CS**

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

<i>Description</i>	Pressure switches
<i>Type</i>	8264 8298
<i>Applicant</i>	TRAFAG AG Industriestrasse 11 CH-8608 Bubikon Switzerland
<i>Manufacturer</i>	TRAFAG AG
<i>Place of manufacture</i>	INDUSTRIESTRASSE 11 CH-8608 Bubikon SWITZERLAND
<i>Reference standards</i>	Rules for the Classification of Naval Ship - Machinery, Systems and Fire Protection Pt C, Ch 3, Sec 8, Table 1

Issued in **Genoa** on **March 11, 2024**. *This Certificate is valid until* **March 11, 2029**

RINA Services S.p.A.
Luigi Benedetti

This certificate consists of this page and 1 enclosure

TYPE APPROVAL CERTIFICATENo. **ELE420924CS****Enclosure - Page 1 of 1****8264****8298****8264 PICOTRANS NPN main features:**

Feature	Specification
Sensor	Thin film on steel
Measuring range	0...2.5 to 0...250 bar
Signal output	4...20 mA
Measuring accuracy	± 2% FS typ TEB@-25..+85°C ± 0,5% FS typ @+25°C ± 0,3% FS typ NLH@+25°C
Voltage supply	9...32 VDC
Pressure connections (female)	G1/4", G1/8"M10x1.0
Sensor material	1.4548 (AISI 630)
Housing material / protection	1.4542 (AISI 304) / IP 65 connector DIN 43650-A (exec. 04), 1.4301 (AISI 304) IP 69K cable (exec. 78) length 1/3/5 m
Electrical plug (female)	EN175301-803-A
O-Ring	NBR 90° Shore / D 6.75 x 1.78
Working temperature (max)	100°C ambient / 100°C process side
Vibration testing	15g (50...2000 Hz) exec. 04
Accessory	55° elbow connector female 90°

8298 EPN main features:

Feature	Specification
Sensor	Thin film on steel
Measuring range	70 mbar...± 1 bar (customized), 0...2.5 to 0...2500 bar (standard)
Signal output	4...20 mA - 0,5..4,5 Vdc ratiometric
Measuring accuracy	± 2% FS typ TEB@-25..+85°C ± 0,5% FS typ @+25°C ± 0,3% FS typ NLH@+25°C
Voltage supply	9...32 VDC (4...20 mA) or 5Vdc (0.5...4.5Vdc) radiometric
Pressure connections (female)	G1/4A, G1/8A, M10x1 or M18x1.5 conical seal
Sensor material	1.4548 (AISI 630)
Housing material / protection	1.4542 (AISI 630) / 1.4301 (AISI 304) IP65 connector DIN 43650-A (exec. 04) IP67 connector MIL-C26482 IP69K connector DIN72585 (exec. 25) IP69K cable (exec. 78)
Electrical plug (female)	EN175301-803-A
O-Ring	FKM 70° Shore / D 13.1 x 1.6
Working temperature (max)	125°C ambient / 125°C process side
Vibration testing	10g (50...2000 Hz) exec. 04

Technical file:

datasheet: H72312u (01/24)

drawings: from audit report

Test Reports:

Trafag:

V-0605 GL qualification (01/2006)

C13936d (20.12.2023), C367 (02.11.2020), C15988e (24.08.2021)

M91471h(26.10.2017) M91737a(31.05.2023) M91987a(25.04.2022)

B62250u (/12/04/2022)

EMC Test Center Zurich:

Drucktransmitter 8298 (Ref. EMCKP6397A) (03.04.2025)

Pressure Transmitter NPN 8264 / EPN 8298 (20.08.2021)

EMC Test Report – ASIC DIN 43650 Type 8298.xx (10.01.2006)

EMV Bericht 8298 Ratio (19.10.2006)

Mettler - Toledo / EN Testing:

2006/1027.A05.01 (2006/04/10)

20051228.A02.03_Trafag_Drucksensor (19/12/2005)

Electrosuisse:

08-IK-0248TR 8298 (27/08/2008)

07-IK-0031 IP69K (09/02/2007)

Spektra:

80430.A.1.1 (29/07/2008)

80430.B.1.1 (10.07.2008)

80430.C.1.1 (10.07.2008)

Tea ag:

UB17459 (07.11.2025)

UB17467 (07.11.2025)

General remark:

(IP) Protection Marking Certificate (IEC 60529) to be available on demand.

(In accordance with the degree of protection requested in the installation point.)

Genoa 29/01/2026