



TYPE APPROVAL CERTIFICATE



N. ELE042519CS

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

Description	Pressure transmitters
Type	8264 ; 8298
Applicant	Trafag AG Sensors & Controls Industriestrasse, 11 CH-8608 Bubikon Switzerland
Manufacturer	Trafag AG Sensors & Controls Industriestrasse, 11 CH-8608 Bubikon Switzerland
Testing Standards	Rules for the Classification of Ships – Part C _ Machinery, Systems and Fire protection. Ch. 3, Sect. 6, Table 1.

Issued in **Genova** on **March 11, 2019**

This certificate is valid until **March 11, 2024**

RINA Services S.p.A.

Valerio Bonanni

N. ELE042519CS

8264 PICOTRANS NPN main features:

Sensor:	Thin film on steel	
Measuring range:	0...2.5 to 0...250 bar	
Signal output:	4...20mA	
Measuring accuracy: (ordering n°25)	+/- 2 % FS typ.	TEB @ -25...+85°C
	+/- 0.5 % FS typ.	@ +25°C
	+/- 0.3 % FS typ.	NLH @+25°C (BSL through 0)
Voltage supply:	9-32 / 24Vdc (typ.)	
Pressure connections (female):	G 1/4", G 1/8", M10x1.0	
Sensor material:	1.4548 (AISI 630)	
Housing material / protection:	1.4542 (AISI 630)	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...2000Hz) Exec. 04	
accessory 55 elbow connector female 90°		

Technical description

Data sheets n° H72313n (02/2017)

Drawings n° C15988d, C12890m, C13936c, C10751c, M91471h

8298 EPN main features:

Sensor:	Thin film on steel	
Measuring range:	±70 mbar, ± 1 bar (customized) 0...2.5 to 0...2500 bar (standard)	
Signal output:	4...20mA , 0.5 ...4.5Vdc ratiometric	
Measuring accuracy: (ordering n° 25)	+/- 2.0 % FS typ.	TEB @ -25...+85°C
	+/- 0.5 % FS typ.	@ +25°C
	+/- 0.3 % FS typ.	NLH @+25°C (BSL through 0)
Voltage supply:	9-32 / 24Vdc (4...20mA) or 5Vdc (0.5 ...4.5Vdc ratiometric)	
Pressure connections (male)	G 1/4", R 1/4 " o-ring, M14x1.5 or M18x1.5 conical seal	
Sensor material:	1.4548 (AISI 630)	
Housing material / protection	1.4542 (AISI 630)	IP 65 connector DIN 43650-A (exec. 04);
	1.4301 (AISI 304)	IP 67 connector MIL-C26482 IP 69K connector DIN72585 (exec. 25) IP 69K 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 description:

Data sheets: H72312q (01/2019)

Drawings n° B62200d, B62250t, C10751c, C12253f, M91458f, M91469d

Test Reports:

Trafag: V-0605 GL qualification, V-0554 (19/07/05), V-07109 (07/03/2008), V-08055 (01/04/2008), V-08101 (04/08/2008), V-08102 (13/08/2008), V-08113 (27/08/2008)

EMC Test Center Zurich: n° EMCKP689 index A (10/01/2006) , EMV Bericht 8298RATIO.doc (17/10/2006)

Mettler - Toledo / ENL Testing lab n° 20051228.A02.03 (2005/12/19); n° 20061027.A05.01 (2006/ 04/10)

Electrosuisse: 07-IK-0031(09/02/2007), 08-IK-0248.01 (27/08/2008)

Spektra: 80430.A.1.1 (29/07/2008), 80430.B.1.1 (29/07/2008), 80430.C.1.1 (29/07/2008)

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.)