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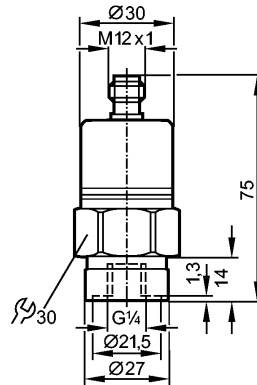
efectorsoo

PX9992



PA-040-SBR14-A-ZVG/US/ IV

Pressure sensors



Product characteristics

Electronic pressure sensor

Quick disconnect

Process connection: G 1/4 I

Analog output

Measuring range: 0...40 bar

Application

Application

Type of pressure: relative pressure
Liquids and gases
For gaseous media the application is limited to max. 25 bar

Pressure rating [bar]
Bursting pressure min. [bar]
Medium temperature [°C]

300
650
-25...90 ****)

Electrical data

Electrical design

DC

Operating voltage [V]

9.6...32 DC 1)

Insulation resistance [MΩ]

> 100 (500 V DC)

Protection class

III

Reverse polarity protection

yes

Outputs

Output

Analog output

Output function

4...20 mA analog

Overload protection

yes

Analog output

4...20 mA

Max. load [Ω]

max. (U_b - 9.6 V) x 50; 720 at U_b = 24 V

Measuring / setting range

Measuring range [bar]

0...40

Accuracy / deviations

Accuracy / deviations

(in % of the span)

Characteristics deviation *)

< ± 0.25 (BFSL) / < ± 0.5 (LS)

Repeatability **)

< 0.1

Long-term stability ***)

< ± 0.05

Temperature coefficients (TEMPCO) in the temperature range -25...80° C (in % of the span per 10 K)

Greatest TEMPCO of the zero point

0.1

Greatest TEMPCO of the span

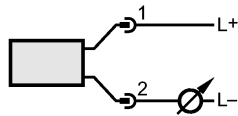
0.2

Reaction times

PX9992 - Electronic pressure sensor - eclass: 27201302 / 27-20-13-02

Step response time analogue output [ms]	3
Environment	
Ambient temperature [°C]	-25...80
Storage temperature [°C]	-40...100
Protection	IP 68 / IP 69K
Tests / approvals	
EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 30 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V
Shock resistance	DIN IEC 68-2-27: 50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6: 20 g (10...2000 Hz)
Mechanical data	
Process connection	G ¼ I
Materials (wetted parts)	stainless steel (303S22); ceramics; FPM (Viton)
Housing materials	stainless steel 316L / 1.4404; FPM (Viton); PA; EPDM/X (Santoprene)
Min. pressure cycles	100 million
Weight [kg]	0.219
Electrical connection	
Connection	M12 connector

Wiring



Remarks	*) BFSL = Best Fit Straight Line / LS = Limit Value Setting **) with temperature fluctuations < 10 K ***) in % of value of measuring range / 6 months ****) -40...90 °C upon request
Remarks	
Pack quantity [piece]	1