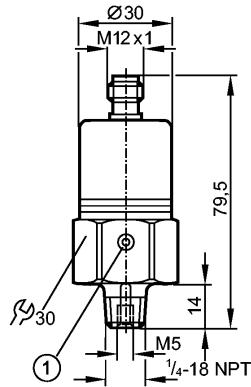


**PX9134**

PA-020PRBN14-B-DVG/US/ IV

Pressure sensors



1: ventilation



**Product characteristics**

Electronic pressure sensor

e1 compliant

Process connection: 1/4" NPT A / M5 I

Analog output

Measuring range: 0...200 psi

**Application**

Application Type of pressure: relative pressure  
Liquids and gases

Pressure rating [psi] 1087

Bursting pressure min. [psi] 2175

Medium temperature [°C] -25...90

**Electrical data**

Electrical design DC

Operating voltage [V] 16...32 DC

Current consumption [mA] < 18

Insulation resistance [MΩ] > 100 (500 V DC)

Protection class III

Reverse polarity protection yes

**Outputs**

Output Analog output

Output function 0...10 V analog

Overload protection yes

Analog output 0...10 V

Max. load [Ω] min. 2000

**Measuring / setting range**

Measuring range [psi] 0...200

**Accuracy / deviations**

Accuracy / deviations  
(in % of the span)

Characteristics deviation \*) < ± 0.35 (BFSL) / < ± 0.75 (LS)

Repeatability \*\*) < 0.1

Long-term stability \*\*\*) < ± 0.05

**PX9134**

PA-020PRBN14-B-DVG/US/ IV

**Pressure sensors**

Temperature coefficients (TEMPCO) in the temperature range 0...80° C (in % of the span per 10 K)

Greatest TEMPCO of the zero point	0.15
Greatest TEMPCO of the span	0.2

**Reaction times**

Step response time analogue output [ms]	3
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**Environment**

Ambient temperature [°C]	-25...80
Storage temperature [°C]	-40...100
Protection	IP 65

**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
	radiation of interference	according to the automotive directive 2004/104/EC / CISPR25 according to the automotive directive 2004/104/EC / ISO
	noise immunity HF radiated	11452-2 100 V/m according to ISO7637-2 / severity level 3
Shock resistance	DIN IEC 68-2-27:	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6:	20 g (10...2000 Hz)

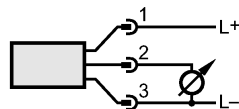
**Mechanical data**

Process connection	¼" NPT A / M5 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]	0.215

**Electrical connection**

Connection	M12 connector; gold-plated contacts
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**Wiring**



**Remarks**

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