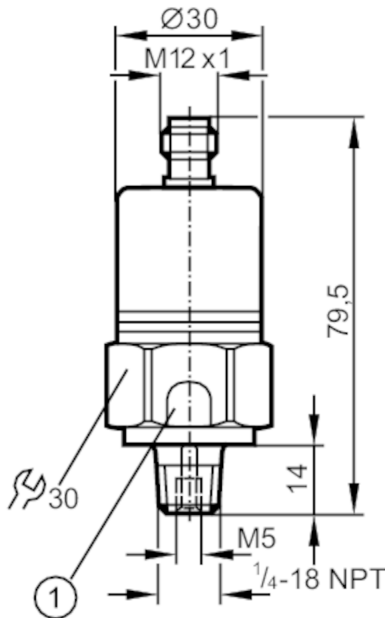


# PX9110



## Pressure transmitter with ceramic measuring cell

PA-500PSBN14-B-DVG/US/ IV



- 1 Pressure relief mechanism  
No mechanical force must be exerted on the pressure relief mechanism.



Product characteristics		
Number of inputs and outputs		Number of analog outputs: 1
Measuring range [psi]		0...5000
Process connection		threaded connection 1/4" NPT external thread Internal thread:M5
Application		
System		gold-plated contacts
Application		for industrial applications
Media		liquids and gases
Conditionally suitable for		use in gases at pressures > 25 bar only on request
Medium temperature [°C]		-25...90
Min. bursting pressure [psi]		17400
Pressure rating [psi]		11600
Type of pressure		relative pressure
Electrical data		
Operating voltage [V]		16...32 DC
Current consumption [mA]		< 18
Min. insulation resistance [MΩ]		100; (500 V DC)
Protection class		III
Reverse polarity protection		yes
Inputs / outputs		
Number of inputs and outputs		Number of analog outputs: 1
Outputs		
Total number of outputs		1

# PX9110



## Pressure transmitter with ceramic measuring cell

PA-500PSBN14-B-DVG/US/ /V

Output signal	analog signal
Number of analog outputs	1
Analog voltage output [V]	0...10
Min. load resistance [ $\Omega$ ]	2000
Overload protection	yes

### Measuring/setting range

Measuring range [psi]	0...5000
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### Accuracy / deviations

Repeatability [% of the span]	< 0,15; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the span]	< $\pm 0,35$ (BFSL) / < $\pm 0,75$ (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)
Long-term stability [% of the span]	< $\pm 0,05$ ; (per 6 months)
Temperature coefficient zero point [% of the span / 10 K]	0,3; (0...80 °C)
Temperature coefficient span [% of the span / 10 K]	0,4; (0...80 °C)

### Reaction times

Step response time analog output [ms]	3
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### Operating conditions

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
	radiation of interference	according to the automotive directive 2004/104/EC / CISPR 25
	noise immunity	according to the automotive directive 2004/104/EC / ISO 11452-2
	HF radiated	100 V/m
	pulse resistance	ISO 7637-2 / 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)
MTTF [years]	531	
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

### Mechanical data

Weight [g]	207.5
Material	stainless steel (1.4404 / 316L); FKM; PA; EPDM/X
Materials (wetted parts)	stainless steel (1.4305 / 303); ceramics; FKM
Min. pressure cycles	100 million
Process connection	threaded connection 1/4" NPT external thread Internal thread:M5

PX9110



Pressure transmitter with ceramic measuring cell

PA-500PSBN14-B-DVG/US/ /V

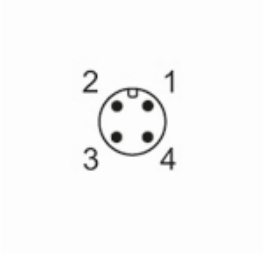
Restrictor element integrated	yes
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

