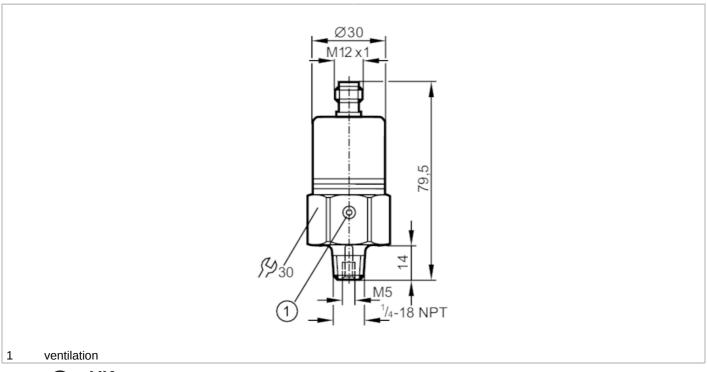
# PX3224

## Pressure transmitter with ceramic measuring cell

PA-010PRBN14-A-ZVG/US/ /V







Product characteristics		
Number of inputs and output	uts	Number of analogue outputs: 1
		· · · · · · · · · · · · · · · · · · ·
Measuring range	[psi]	0100
Process connection		threaded connection 1/4" NPT external thread internal thread:M5
Application		
Special feature		Gold-plated contacts
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-2590
Min. bursting pressure	[psi]	2175
Pressure rating	[psi]	1087
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	9.632 DC
Min. insulation resistance	[MΩ]	100; (500 V DC)
Protection class		III
Reverse polarity protection		yes
Inputs / outputs		
Number of inputs and outputs		Number of analogue outputs: 1
Outputs		
Total number of outputs		1
Output signal		analogue signal
Number of analogue outputs		1

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Analogue current output [mA]		420		
Max. load [Ω]	720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA)			
Overload protection		yes		
Measuring/setting range				
Measuring range [psi]		0100		
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); (incl. linearity, zero and span error (limit value setting))			
Long-term stability [% of the span]	< ± 0,05; (per 6 months)			
Temperature coefficient zero point	0,2; (080 °C)			
[% of the span / 10 K]				
Temperature coefficient span [% of the span / 10 K]	0,3; (080 °C)			
Response times				
Step response time analogue [ms] output	3			
Operating conditions				
Ambient temperature [°C]		-2580		
Storage temperature [°C]	-40100			
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 / CISPR 25		
	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 (102000 Hz)		
MTTF [years]		534.69		
Pressure Equipment Directive	Sound engineering practice; can	be used for group 2 fluids; group 1 fluids on request		
Mechanical data				
Weight [g]		212		
Materials	stainless steel (316L/1.4404); FKM; PA; EPDM/X			
Materials (wetted parts)	stainless steel (303/1.4305); ceramics; FKM			
Min. pressure cycles	100 million			
Process connection	threaded connection 1/4" NPT external thread internal thread:M5			
Restrictor element integrated	no (can be retrofitted)			

# PX3224

Connection

## Pressure transmitter with ceramic measuring cell



PA-010PRBN14-A-ZVG/US/ /V

Remarks	
Pack quantity	1 pcs.
Electrical connection	
Connector: 1 x M12; coding: A; Cont	acts: gold-plated
3 4	

