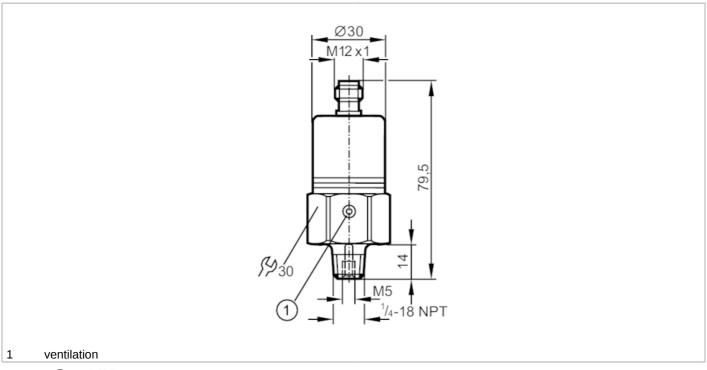
PX3227

Pressure transmitter with ceramic measuring cell

PA-001PRBN14-A-ZVG/US/ /V







Product characteristics			
Number of inputs and outputs		Number of analogue outputs: 1	
Measuring range	[psi]	015	
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]	450	
Pressure rating	[psi]	145	
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	1	420		
Max. load [Ω	720; (Ub	720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA)		
Overload protection		yes		
Measuring/setting range				
Measuring range [psi		015		
Accuracy / deviations				
Repeatability [% of the span	< 0,1; (with t	emperature fluctuations < 10 K)		
Characteristics deviation [% of the span	$< \pm 0.25$ (BFSL) $/ < \pm 0.5$ (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)			
Long-term stability [% of the span	< ± 0,05; (per 6 months)			
Temperature coefficient zero point	0,15; (080 °C)			
[% of the span / 10 K				
Temperature coefficient span [% of the span / 10 K	0,2; (080 °C)			
Response times				
Step response time analogue [ms output	3			
Operating conditions				
Ambient temperature [°C	1	-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		555		
Pressure Equipment Directive	Sound engineering practice; can	be used for group 2 fluids; group 1 fluids on request		
Mechanical data				
Weight [g		213		
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/-	threaded connection 1/4" NPT external thread internal thread:M5		
Restrictor element integrated	no	no (can be retrofitted)		

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Remarks	
Pack quantity	1 pcs.
Electrical connection	
Connector: 1 x M12; coding: A; Cont	acts: gold-plated
2 - 1	
3 4	

Connection

