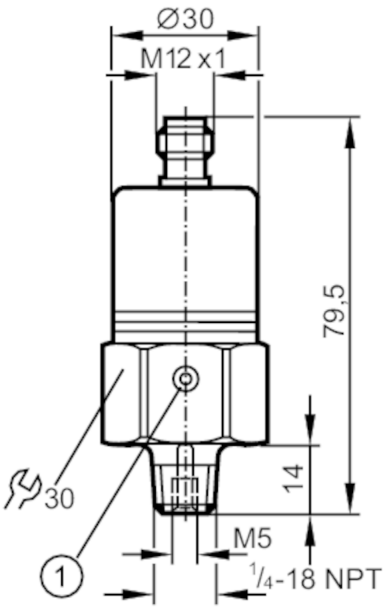
PX3223

Pressure transmitter with ceramic measuring cell

PA-050PRBN14-A-ZVG/US/ /V



1 ventilation

Product characteristics			
Number of inputs and outputs		Number of analogue outputs: 1	
Measuring range		0...500 psi	0...3450 kPa
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	
Conditionally suitable for		use in gases at pressures > 25 bar only on request	
Medium temperature	[°C]	-25...90	
Min. burst pressure		5075 psi	35 MPa
Pressure rating		2175 psi	15 MPa
Type of pressure		relative pressure	
Electrical data			
Operating voltage	[V]	9.6...32 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]	4...20		
Max. load [Ω]	720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA)		
Overload protection	yes		
Measuring/setting range			
Measuring range	0...500 psi	0...3450 kPa	
Accuracy / deviations			
Repeatability [% of the span]	< 0,1; (with temperature fluctuations < 10 K)		
Characteristics deviation [% of the span]	< ± 0,35 (BFSL) / < ± 0,75 (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 [% of the span / 10 K]	0,2; (0...80 °C)		
Temperature coefficient span [% of the span / 10 K]	0,3; (0...80 °C)		
Response times			
Step response time analogue output [ms]	3		
Operating conditions			
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 / 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 (10...2000 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]	213.5		
Housing	cylindrical		
Dimensions [mm]	Ø 30 / L = 79.5		
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		

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Restrictor element integrated	no (can be retrofitted)

Remarks

Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4, gold-plated



Connection

