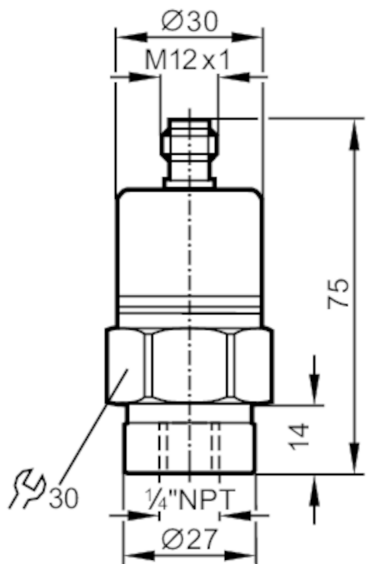


PA6229



Pressure transmitter with ceramic measuring cell

PA-0-1-RBN14-A-ZVG/US/ IV



Product characteristics				
Number of inputs and outputs	Number of analogue outputs: 1			
Measuring range	-1...0 bar	-1000...0 mbar	-14.5...0 psi	-100...0 kPa
Process connection	threaded connection 1/4" NPT internal thread			
Application				
Special feature	Gold-plated contacts			
Application	for industrial applications			
Media	liquids and gases			
Medium temperature	-25...90; (on request: -40...90 °C)			
Min. bursting pressure	30 bar	435 psi	3 MPa	
Pressure rating	10 bar	145 psi	1 MPa	
Type of pressure	relative pressure; vacuum			
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			
Analogue current output	[mA]	20...4		



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Max. load	[Ω]	720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA)			
Overload protection		yes			
Measuring/setting range					
Measuring range		-1...0 bar	-1000...0 mbar	-14.5...0 psi	-100...0 kPa
Accuracy / deviations					
Repeatability	[% of the span]	< 0,1; (with temperature fluctuations < 10 K)			
Characteristics deviation	[% of the span]	< ± 0,25 (BFSL) / < ± 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	[% of the span / 10 K]	0,1; (0...80 °C)			
Temperature coefficient span	[% of the span / 10 K]	0,2; (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 radiation of interference	10 V			
	immunity	according to the automotive directive 2004/104/EC / CISPR 25			
	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]	506			
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request			
Mechanical data					
Weight	[g]	221.5			
Housing		cylindrical			
Dimensions	[mm]	Ø 30 / L = 75			
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 internal thread			
Restrictor element integrated		no (can be retrofitted)			

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Pressure transmitter with ceramic measuring cell

PA-0-1-RBN14-A-ZVG/US/ /V

Remarks

Pack quantity 1 pcs.

Electrical connection

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



Connection

