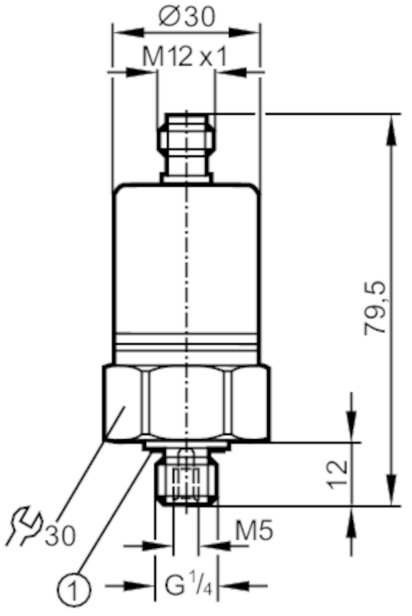
PA3526

Pressure transmitter with ceramic measuring cell

PA-2,5-RBG14-A-ZVG/US/ /V



1 Sealing

Product characteristics					
Number of inputs and outputs		Number of analogue outputs: 1			
Measuring range		0...2.5 bar	0...2500 mbar	0...36 psi	0...250 kPa
Process connection		threaded connection G 1/4 external thread internal thread:M5			
Application					
Special feature		Gold-plated contacts			
Application		for industrial applications			
Media		liquids and gases			
Medium temperature	[°C]	-25...90; (on request: -40...90 °C)			
Min. bursting pressure		50 bar	725 psi	5 MPa	
Pressure rating		20 bar	290 psi	2 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			
Analogue current output	[mA]	4...20			

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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	0...2.5 bar	0...2500 mbar	0...36 psi	0...250 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	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		
	ISO 7637-2 pulse	severity level 4		
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)		
	DIN EN 61373	category 3		
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)		
	DIN EN 61373	category 2		
MTTF [years]	506			
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request			
Railway applications	DIN EN 50155 / IEC 60571	Klasse T3, C1, S1		
Mechanical data				
Weight [g]	215.5			
Materials	stainless steel (1.4404 / 316L); FKM; PA; EPDM/X			
Materials (wetted parts)	stainless steel (1.4305 / 303); ceramics; Sealing: FKM DIN 3869-14			
Min. pressure cycles	100 million			
Process connection	threaded connection G 1/4 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: gold-plated



Connection

