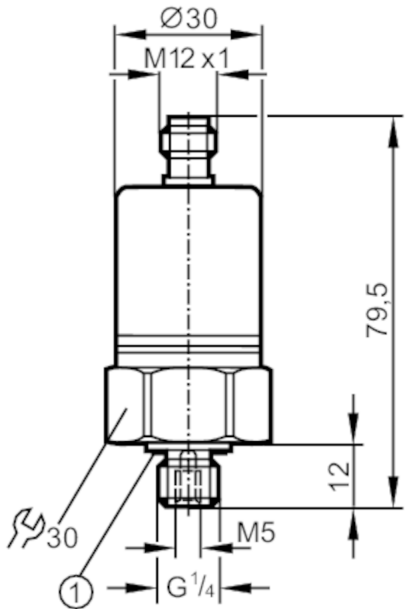


PA3524



Pressure transmitter with ceramic measuring cell

PA-010-RBG14-A-ZVG/US/ IV



1 Sealing



Product characteristics				
Number of inputs and outputs		Number of analogue outputs: 1		
Measuring range		0...10 bar	0...145 psi	0...1000 kPa 0...1 MPa
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		150 bar	2175 psi	15 MPa
Pressure rating		75 bar	1088 psi	7.5 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...10 bar	0...145 psi	0...1000 kPa	0...1 MPa
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			
	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]	217			
Materials		stainless steel (316L/1.4404); FKM; PA; EPDM/X			
Materials (wetted parts)		stainless steel (303/1.4305); 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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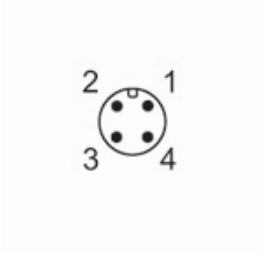
Restrictor element integrated	no (can be retrofitted)
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Remarks

Pack quantity	1 pcs.
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Electrical connection

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



Connection

