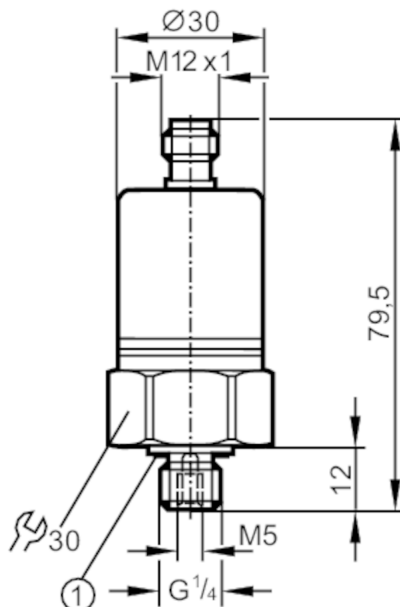


PA3528



Pressure transmitter with ceramic measuring cell

PA-,25BRBG14-A-ZVG/US/ IV



1 Sealing



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1			
Measuring range	0...0.25 bar	0...250 mbar	0...100.3 inH2O	0...25 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	30000 mbar	12030 inH2O	3000 kPa
Pressure rating	6000 mbar	2400 inH2O	600 kPa
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
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Outputs				
Total number of outputs	1			
Output signal	analogue signal			
Number of analogue outputs	1			
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...0.25 bar	0...250 mbar	0...100.3 inH2O	0...25 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]	< ± 0,2; (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	
Shock resistance	ISO 7637-2 pulse	severity level 4		
	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]	514			
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	



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Mechanical data		
Weight	[g]	217
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	
Restrictor element integrated	no (can be retrofitted)	

Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection

