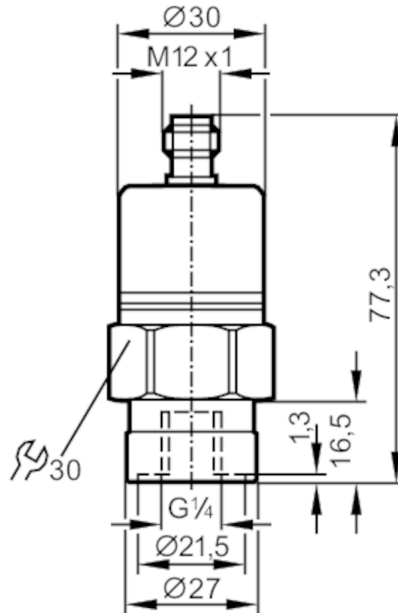




Pressure transmitter with ceramic measuring cell

PA-600-SBR14-B-DVG/US/V



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1		
Measuring range	0...600 bar	0...8700 psi	0...60 MPa
Process connection	threaded connection G 1/4 internal thread		

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; (on request: -40...90 °C)		
Min. bursting pressure	1200 bar	17400 psi	120 MPa
Pressure rating	800 bar	11600 psi	80 MPa
Type of pressure	relative pressure		

Electrical data

Operating voltage	[V]	16...32 DC
Current consumption	[mA]	< 18
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



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Number of analogue outputs		1	
Analogue voltage output [V]		0...10	
Min. load resistance [Ω]		2000	
Overload protection		yes	
Measuring/setting range			
Measuring range		0...600 bar	0...8700 psi
			0...60 MPa
Accuracy / deviations			
Repeatability [% of the span]		< 0,1; (with temperature fluctuations < 10 K)	
Characteristics deviation [% of the span]		< $\pm$ 0,25 (BFSL) / < $\pm$ 0,5 (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)	
Hysteresis deviation [% of the span]		$\pm$ 1	
Long-term stability [% of the span]		< $\pm$ 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 68; IP 69K	
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]	478		
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]	232		

PA9060



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Materials	stainless steel (316L/1.4404); FKM; PA; EPDM/X
Materials (wetted parts)	stainless steel (316L/1.4404); ceramics; FKM
Min. pressure cycles	100 million
Process connection	threaded connection G 1/4 internal thread
Restrictor element integrated	yes

Remarks

Pack quantity	1 pcs.
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Electrical connection

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



Connection

