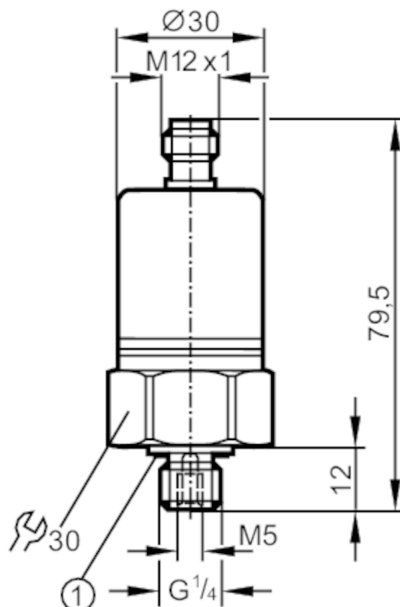




Pressure transmitter with ceramic measuring cell

PA-100-SBG14-B-DVG/US/V



1 Sealing



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1
Measuring range [bar]	0...100
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
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 [bar]	650
Pressure rating [bar]	300
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
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Output signal	analogue signal	
Number of analogue outputs	1	
Analogue voltage output [V]	0...10	
Min. load resistance [Ω]	2000	
Overload protection	yes	
Measuring/setting range		
Measuring range [bar]	0...100	
Accuracy / deviations		
Repeatability [X21]	< 0,1; (with temperature fluctuations < 10 K)	
Characteristics deviation [X21]	< ± 0,25 (BFSL) / < ± 0,5 (LS); (incl. linearity, zero and span error (limit value setting))	
Long-term stability [X21]	< ± 0,05	
Temperature coefficient zero point [X22]	0,2; (0...80 °C)	
Temperature coefficient span [X22]	0,1; (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 IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
MTTF [ANN]	478	
Mechanical data		
Weight [g]	220	
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.	

PA9522



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Electrical connection

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



Connection

