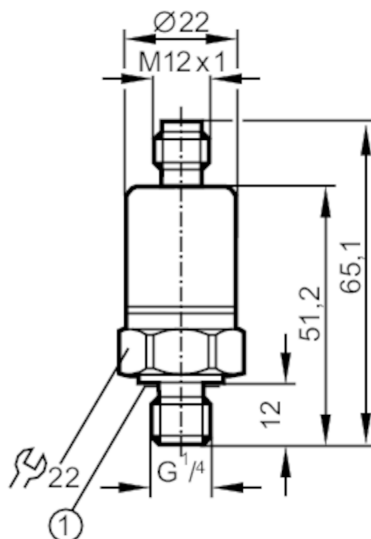


PT9550



Pressure transmitter

PT-400-SBG14-B-DVG/US/ IW



- 1 Sealing
Tightening torque 25 Nm



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1		
Measuring range	0...400 bar	0...5800 psi	0...40 MPa
Process connection	threaded connection G 1/4 external thread		

Application

Application	for mobile applications		
Media	liquids and gases		
Medium temperature [°C]	-25...90; (on request: -40...100 °C)		
Min. bursting pressure	1600 bar	23200 psi	160 MPa
Pressure rating	600 bar	8700 psi	60 MPa
Type of pressure	relative pressure		

Electrical data

Operating voltage [V]	16...36 DC		
Current consumption [mA]	< 6		
Min. insulation resistance [MΩ]	100; (80 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 voltage output [V]	0...10
Min. load resistance [Ω]	2000

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Measuring/setting range				
Measuring range		0...400 bar	0...5800 psi	0...40 MPa
Accuracy / deviations				
Repeatability		[X21]	< ± 0,1; (with temperature fluctuations < 10 K)	
Characteristics deviation		[X21]	< ± 1,0; (incl. drift when overtightened, zero point and span error)	
Linearity deviation		[X21]	< ± 0,25 (BFSL) / < ± 0,5 (LS)	
Hysteresis deviation		[X21]	< ± 0,2	
Long-term stability		[X21]	< ± 0,1; (per 6 months)	
Temperature coefficient zero point		[X22]	< ± 0,1; (-25...90 °C)	
Temperature coefficient span		[X22]	< ± 0,1; (-25...90 °C)	
Response times				
Step response time analogue output		[ms]	8	
Operating conditions				
Ambient temperature		[°C]	-25...90	
Storage temperature		[°C]	-40...100	
Protection			IP 67; IP 69K	
Tests / approvals				
EMC		EN 61000-4-2 ESD immunity		4 kV CD / 8 kV AD according to the automotive directive 1995/54/EC, 2004/104 EC, 2005/83/EC
		ISO 11452-2		100 V/m
		ISO 11452-4		100 mA / severity level 4
		ISO 7637-2		severity level 4
		radiation of interference		CISPR 25
		EN 61000-6-1		
		EN 61000-6-4		
		Shock resistance		DIN IEC 68-2-27
Vibration resistance		DIN IEC 68-2-6	20 g (10...2000 Hz)	
MTTF		[ANN]	1069	
Pressure Equipment Directive			Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	
Mechanical data				
Weight		[g]	83	
Materials			stainless steel (1.4404 / 316L); PA	
Materials (wetted parts)			stainless steel (1.4404 / 316L); FKM	
Min. pressure cycles			50 million	
Process connection			threaded connection G 1/4 external thread	
Restrictor element integrated			yes	
Remarks				
Remarks			BFSL = Best Fit Straight Line	
			LS = limit value setting	
Pack quantity			1 pcs.	

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Electrical connection

Connector: 1 x M12; coding: A



Connection

