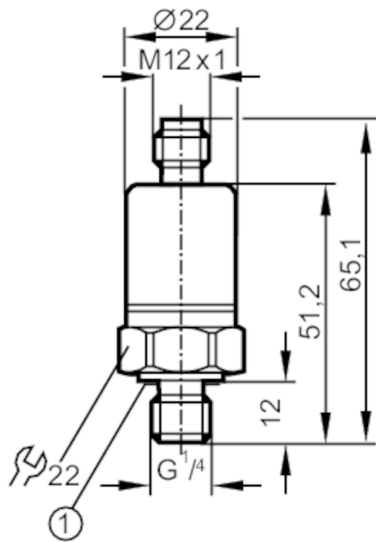


PT9554



Pressure transmitter

PT-010-RBG14-B-DVG/US/ IW



1 sealing
Tightening torque 25 Nm



Product characteristics				
Number of inputs and outputs	Number of analog 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			
Application				
Application	for mobile applications			
Media	liquids and gases			
Medium temperature	[°C] -25...90; (on request: -40...100 °C)			
Min. burst pressure	300 bar	4350 psi	30 MPa	
Pressure rating	25 bar	362 psi	2.5 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 analog outputs: 1			
Outputs				
Total number of outputs	1			
Output signal	analog signal			
Number of analog outputs	1			
Analog voltage output	[V]	0...10		
Min. load resistance	[Ω]	2000		

PT9554



Pressure transmitter

PT-010-RBG14-B-DVG/US/ IW

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]				< ± 1,0; (incl. drift due to tightening torque, zero and span error)
Linearity deviation		[% of the span]				< ± 0,25 (BFSL) / < ± 0,5 (LS)
Hysteresis deviation		[% of the span]				< ± 0,2
Long-term stability		[% of the span]				< ± 0,1; (per 6 months)
Temperature coefficient zero point		[% of the span / 10 K]				< ± 0,1; (-25...90 °C)
Temperature coefficient span		[% of the span / 10 K]				< ± 0,1; (-25...90 °C)
Reaction times						
Step response time analog 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		4 kV CD / 8 kV AD		
		noise immunity		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		50 g (11 ms)		
Vibration resistance		DIN IEC 68-2-6		20 g (10...2000 Hz)		
MTTF		[years]				1069
Pressure equipment directive						sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data						
Weight		[g]				85.5
Housing						tubular
Dimensions		[mm]				Ø 22 / L = 65.1
Material						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

PT9554



Pressure transmitter

PT-010-RBG14-B-DVG/US/ IW

Restrictor element integrated	yes
-------------------------------	-----

Remarks

Remarks	BFSL = Best Fit Straight Line LS = limit value setting
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



Connection

