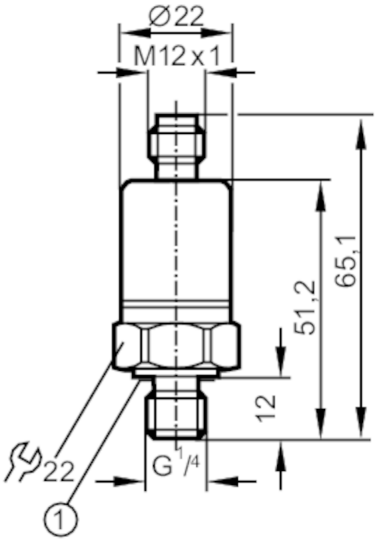
PT3544

Pressure transmitter

PT-010-RBG14-A-ZVG/US/ /W

phase-out article

Alternative articles: PT5404
When selecting an alternative article and accessories please note that technical data may differ!



1 Sealing
Tightening torque 25 Nm

Product characteristics				
Number of inputs and outputs	Number of analogue 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 industrial applications			
Media	liquids and gases			
Medium temperature [°C]	-25...90			
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]	8.5...36 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			
Outputs				
Total number of outputs	1			
Output signal	analogue signal			

PT3544

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Number of analogue outputs		1			
Analogue current output	[mA]	4...20			
Max. load	[Ω]	775; (Ub = 24 V; (Ub - 8,5 V) / 20 mA)			
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 when overtightened, zero point 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)			
Response times					
Step response time analogue output	[ms]	3			
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		
		EN 61000-4-3 HF radiated	10 V/m		
		EN 61000-4-4 Burst	4 kV coupling clamp		
		EN 61000-4-5 Surge	1 kV signal for DC units		
		EN 61000-4-6 HF conducted	10 V		
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]	1579			
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request			
Mechanical data					
Weight	[g]	85			
Housing		cylindrical			
Dimensions	[mm]	Ø 22 / L = 65.1			
Materials		stainless steel (316L/1.4404); PA			
Materials (wetted parts)		stainless steel (316L/1.4404); Sealing: FKM			
Min. pressure cycles		50 million			
Process connection		threaded connection G 1/4 external thread			

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Restrictor element integrated	no (can be retrofitted)

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

