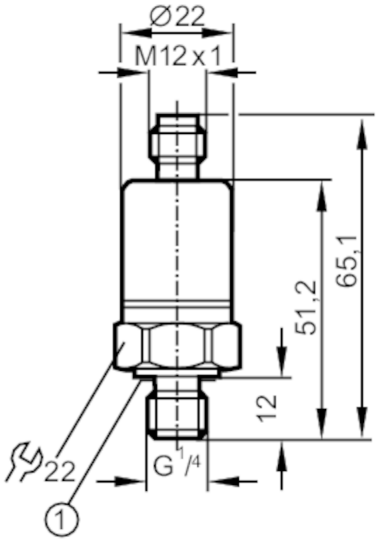
PT9543

Pressure transmitter

PT-025-SBG14-B-DVG/US/ /W

phase-out article

Alternative articles: PU5403
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...25 bar	0...363 psi	0...2.5 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. bursting pressure		600 bar	7253 psi	60 MPa
Pressure rating		60 bar	870 psi	6 Mpa
Type of pressure		relative pressure		
Electrical data				
Operating voltage	[V]	16...36 DC		
Current consumption	[mA]	< 6		
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		

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Output signal		analogue signal		
Number of analogue outputs		1		
Analogue voltage output	[V]	0...10		
Min. load resistance	[Ω]	2000		
Measuring/setting range				
Measuring range		0...25 bar	0...363 psi	0...2.5 MPa
Accuracy / deviations				
Repeatability	[% of the span]	< ± 0,1; (with temperature fluctuations < 10 K)		
Characteristics deviation	[% of the span]	< ± 1,8; (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]	1116		
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request		
Mechanical data				
Weight	[g]	81.5		
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		no (can be retrofitted)		

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Remarks

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

Electrical connection

Connector: 1 x M12; coding: A



Connection

