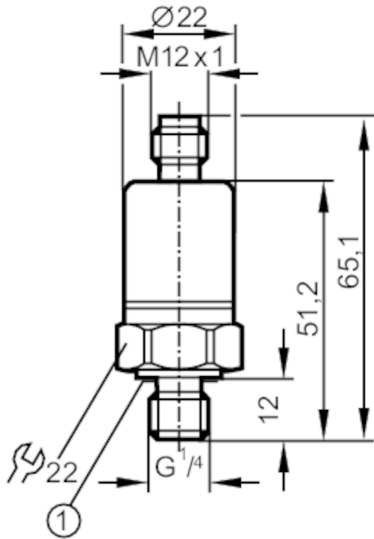


PT3541



Pressure transmitter

PT-250-SBG14-A-ZVG/US/ IW



1 Sealing
Tightening torque 25 Nm



Application	
Application	for industrial applications
Media	liquids and gases
Medium temperature [°C]	-25...90
Pressure rating [bar]	400
Min. bursting pressure [bar]	1000
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
Outputs	
Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. load [Ω]	775; (U _b = 24 V; (U _b - 8,5 V) / 20 mA)
Measuring/setting range	
Measuring range [bar]	0...250
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	< ± 0,25 (BFSL) / < ± 0,5 (LS)

PT3541



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	[% of the span]	
Hysteresis deviation		$< \pm 0,2$
	[% of the span]	
Long-term stability		$< \pm 0,1$; (per 6 months)
	[% of the span]	
Temperature coefficient zero point		$< \pm 0,1$; (-25...90 °C)
	[% of the span / 10 K]	
Temperature coefficient span		$< \pm 0,1$; (-25...90 °C)
	[% of the span / 10 K]	

Response times

Step response time analogue output	[ms]	3
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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

Mechanical data

Weight	[g]	80.6
Materials		stainless steel (1.4404 / 316L); PA
Materials (wetted parts)		stainless steel (1.4404 / 316L); Sealing: FKM
Min. pressure cycles		50 million
Process connection		threaded connection G 1/4 external thread

Remarks

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

Electrical connection

Connector: 1 x M12



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Connection

