PC3562

Pressure transmitter

PT-060-SBG14-A-ZVG/US/ /W

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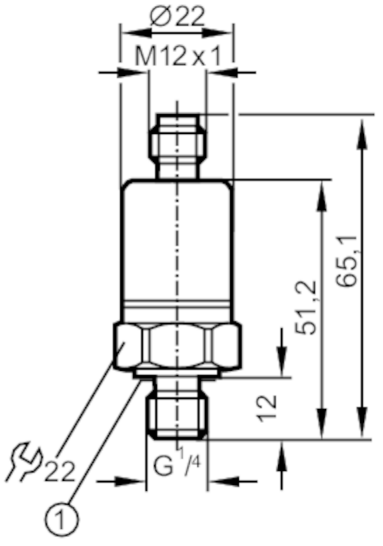

1 Sealing
Tightening torque 25 Nm

CE

Product characteristics		
Number of inputs and outputs		Number of analogue outputs: 1
Measuring range	[bar]	0...60
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	[bar]	1000
Pressure rating	[bar]	200
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

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Output signal		analogue signal
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	[bar]	0...60
Accuracy / deviations		
Repeatability	[% of the span]	< ± 0,15; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	< ± 2,0; (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]	< ± 0,05; (per 6 months)
Temperature coefficient zero point	[% of the span / 10 K]	< ± 0,15; (-25...90 °C)
Temperature coefficient span	[% of the span / 10 K]	< ± 0,2; (-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)
Mechanical data		
Weight	[g]	73.4
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
Remarks		
Remarks		BFSL = Best Fit Straight Line
		LS = limit value setting

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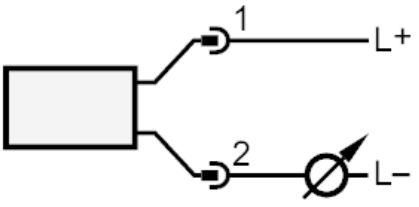
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A

Connection