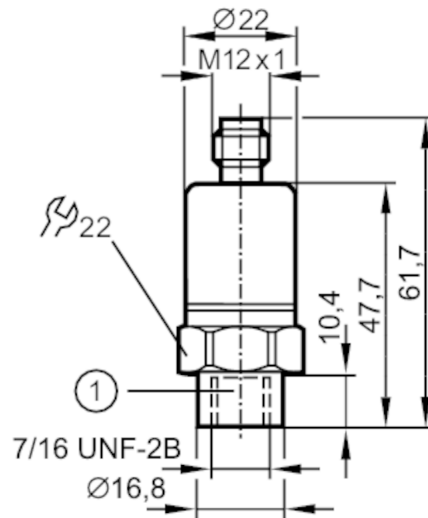




Pressure transmitter

PT-075PSBU76-B-DVG/US/ /W



1 process connection with Schraeder connection



Application		
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-25...90
Pressure rating	[psi]	870
Min. bursting pressure	[psi]	8702
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
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	[psi]	0...750
Accuracy / deviations		
Repeatability	[% of the span]	< ± 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation		< ± 1,4; (incl. drift when overtightened, zero point and span error)

PC9013



Pressure transmitter

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	[% of the span]	
Linearity deviation	[% of the span]	$< \pm 0,25$ (BFSL) / $< \pm 0,5$ (LS)
Hysteresis deviation	[% of the span]	$< \pm 0,3$
Long-term stability	[% of the span]	$< \pm 0,1$; (per 6 months)
Temperature coefficient zero point	[% of the span / 10 K]	$< \pm 0,1$; (-25...90 °C)
Temperature coefficient span	[% of the span / 10 K]	$< \pm 0,1$; (-25...90 °C)

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

Mechanical data

Weight	[g]	72.2
Materials		stainless steel (1.4404 / 316L); PA
Materials (wetted parts)		stainless steel (1.4404 / 316L)
Min. pressure cycles		50 million
Process connection		threaded connection 7/16 - 20 UNF internal thread

Remarks

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

Electrical connection

Connector: 1 x M12



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Connection

