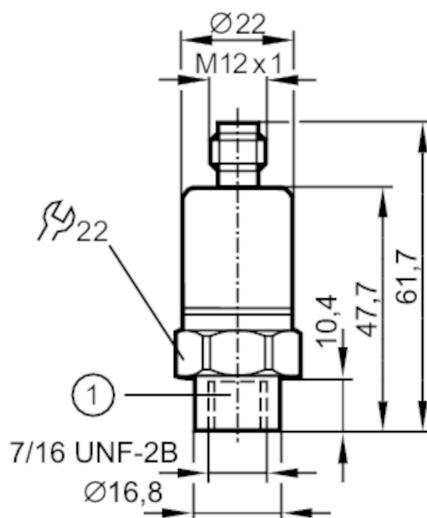


Pressure transmitter

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



1 process connection with Schrader connection



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1
Measuring range [psi]	0...750
Process connection	threaded connection 7/16" - 20 UNF internal thread

Application

Application	for industrial applications
Media	liquids and gases
Medium temperature [°C]	-25...90
Min. bursting pressure [psi]	8702
Min. bursting pressure [MPa]	60
Pressure rating [psi]	870
Pressure rating [MPa]	6
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
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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



Pressure transmitter

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

Measuring/setting range		
Measuring range	[psi]	0...750
Accuracy / deviations		
Repeatability	[% of the span]	$< \pm 0,1$; (with temperature fluctuations $< 10\text{ K}$)
Characteristics deviation	[% of the span]	$< \pm 1,4$; (incl. drift when overtightened, zero point and span error)
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]	$< \pm 0,1$; ($-25...90\text{ °C}$)
Temperature coefficient span	[% of the span / 10 K]	$< \pm 0,1$; ($-25...90\text{ °C}$)
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
	DIN IEC 68-2-27	50 g (11 ms)
Shock resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
Vibration resistance		
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]	74.5
Housing		cylindrical
Dimensions	[mm]	$\varnothing 22 / L = 61.7$
Materials		stainless steel (316L/1.4404); PA
Materials (wetted parts)		stainless steel (316L/1.4404)
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.

PC9013



Pressure transmitter

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

Electrical connection

Connector: 1 x M12; coding: A



Connection

