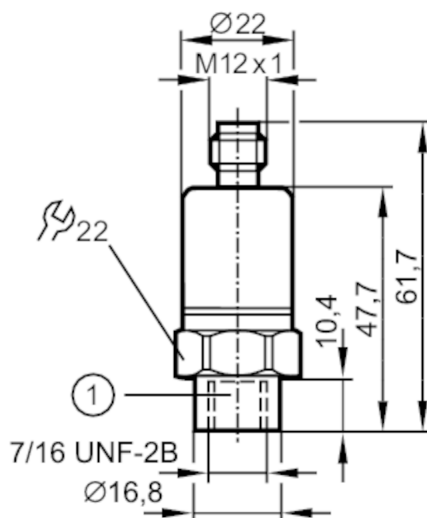




Pressure transmitter

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



1 process connection with Schrader connection



Product characteristics

Number of inputs and outputs	Number of analog outputs: 1	
Measuring range	0...750 psi	0...5170 kPa
Process connection	threaded connection 7/16" - 20 UNF Internal thread - Schrader	

Application

Application	for industrial applications	
Media	liquids and gases	
Medium temperature [°C]	-25...90	
Min. burst pressure	8702 psi	60 MPa
Pressure rating	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 analog outputs: 1
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Outputs

Total number of outputs	1
Output signal	analog signal
Number of analog outputs	1
Analog voltage output [V]	0...10
Min. load resistance [Ω]	2000

Measuring/setting range

Measuring range	0...750 psi	0...5170 kPa
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PC9013



Pressure transmitter

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

Accuracy / deviations		
Repeatability	[% of the span]	$< \pm 0,1$; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	$< \pm 1,4$; (incl. drift due to tightening torque, zero 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 °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
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		tubular
Dimensions	[mm]	$\varnothing 22$ / L = 61.7
Material		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 - Schrader
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; Contacts: 4



Connection

