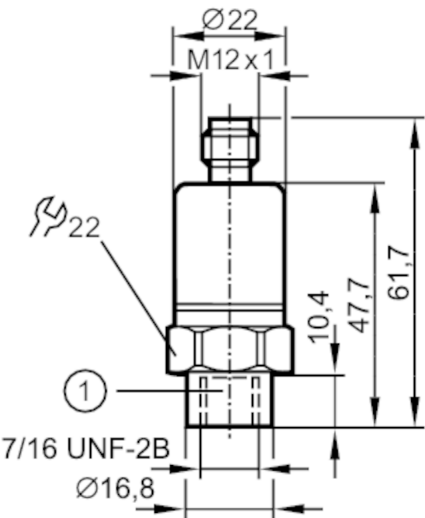




Pressure transmitter

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
Pressure rating [psi]	870
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



Pressure transmitter

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

Accuracy / deviations		
Repeatability	[X21]	$< \pm 0,1$; (with temperature fluctuations $< 10\text{ K}$)
Characteristics deviation	[X21]	$< \pm 1,4$; (incl. drift when overtightened, zero point and span error)
Linearity deviation	[X21]	$< \pm 0,25$ (BFSL) / $< \pm 0,5$ (LS)
Hysteresis deviation	[X21]	$< \pm 0,3$
Long-term stability	[X21]	$< \pm 0,1$; (per 6 months)
Temperature coefficient zero point	[X22]	$< \pm 0,1$; ($-25...90\text{ °C}$)
Temperature coefficient span	[X22]	$< \pm 0,1$; ($-25...90\text{ °C}$)

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
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
MTTF	[ANN]	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
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; coding: A



PC9013



Pressure transmitter

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

Connection

