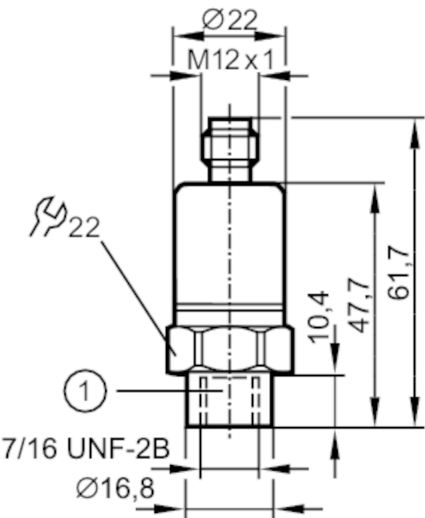




Pressure transmitter

PT-300PSBU76-C-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...3000
Process connection	threaded connection 7/16" - 20 UNF (SAE)
Application	
Application	for mobile applications
Media	liquids and gases
Medium temperature [°C]	-40...90
Min. bursting pressure [psi]	14500
Min. bursting pressure [MPa]	100
Pressure rating [psi]	5800
Pressure rating [MPa]	40
Type of pressure	relative pressure
Electrical data	
Operating voltage [V]	9...36 DC
Current consumption [mA]	< 6
Min. insulation resistance [MΩ]	100; (80 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...5
Min. load resistance [Ω]	2000



Pressure transmitter

PT-300PSBU76-C-DVG/US/ /W

Measuring/setting range		
Measuring range	[psi]	0...3000
Accuracy / deviations		
Repeatability	[% of the span]	$< \pm 0,1$; (with temperature fluctuations $< 10\text{ K}$)
Characteristics deviation	[% of the span]	$< \pm 1,2$; (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]	$< \pm 0,2$
Long-term stability	[% of the span]	$< \pm 0,1$; (per 6 months)
Temperature coefficient zero point	[% of the span / 10 K]	$< \pm 0,15$; ($-25...90\text{ °C}$)
Temperature coefficient span	[% of the span / 10 K]	$< \pm 0,15$; ($-25...90\text{ °C}$)
Response times		
Step response time analogue output	[ms]	8
Operating conditions		
Ambient temperature	[°C]	$-40...90$
Storage temperature	[°C]	$-40...100$
Protection		IP 67; IP 69K
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	Störfestigkeit	nach KFZ-Richtlinie 95/54/EG 04/104EG / 05/83EG
	ISO 11452-2	100 V/m
	ISO 11452-4	100 mA / Schärfegrad 4
	ISO 7637-2	Schärfegrad 4
	Störemission	nach CISPR 25
	EN 61000-6-1	
	EN 61000-6-4	
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]	859
Mechanical data		
Weight	[g]	78.5
Housing		cylindrical
Dimensions	[mm]	$\varnothing 22$ / L = 61.7
Materials		stainless steel (316L/1.4404); PA PACM 12 (TROGAMID)
Materials (wetted parts)		stainless steel (316L/1.4404); FPM Viton
Min. pressure cycles		50 million
Process connection		threaded connection 7/16" - 20 UNF (SAE)

PC9021



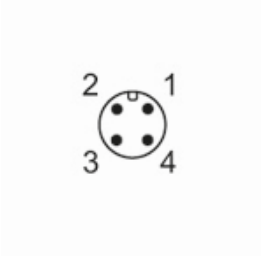
Pressure transmitter

PT-300PSBU76-C-DVG/US/ /W

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

Electrical connection

Connector: 1 x M12; coding: A



Connection

