



Pressure transmitter

PU-006-SEG14-B-DVG/US/ IW



1 Sealing



Product characteristics				
Number of inputs and outputs	Number of analogue outputs: 1			
Measuring range	0...6 bar	0...87 psi	0...600 kPa	0...0.6 MPa
Process connection	threaded connection G 1/4 external thread (DIN EN ISO 1179-2)			
Application				
Application	for industrial applications			
Media	liquids and gases			
Medium temperature [°C]	-40...90			
Min. bursting pressure	200 bar	2900 psi	20 MPa	
Pressure rating	15 bar	215 psi	1.5 MPa	
Note on pressure rating	static			
Vacuum resistance [mbar]	-1000			
Vacuum resistance [MPa]	-0.1			
Type of pressure	relative pressure			
Electrical data				
Operating voltage [V]	16...36 DC			
Current consumption [mA]	< 12			
Min. insulation resistance [MΩ]	100; (500 V DC)			
Protection class	III			
Reverse polarity protection	yes			
Power-on delay time [s]	< 0.1			
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			



Pressure transmitter

PU-006-SEG14-B-DVG/US/ IW

Analogue voltage output		[V]	0...10		
Min. load resistance		[Ω]	2000		
Short-circuit proof			yes		
Overload protection			yes		
Measuring/setting range					
Measuring range		0...6 bar	0...87 psi	0...600 kPa	0...0.6 MPa
Accuracy / deviations					
Repeatability		[% of the span]	< ± 0,05; (with temperature fluctuations < 10 K)		
Characteristics deviation		[% of the span]	< ± 0,5; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis)		
Linearity deviation		[% of the span]	< ± 0,1 (BFSL) / < ± 0,2 (LS)		
Hysteresis deviation		[% of the span]	< ± 0,2		
Long-term stability		[% of the span]	< ± 0,1; (per 6 months)		
Temperature coefficient zero point and span		[% of the span / 10 K]	< ± 0,1 (-25...90 °C) / < ± 0,2 (-40...-25 °C)		
Response times					
Step response time analogue output		[ms]	1		
Operating conditions					
Ambient temperature		[°C]	-40...90		
Storage temperature		[°C]	-40...100		
Protection			IP 67; IP 69K		
Tests / approvals					
EMC			DIN EN 61000-6-2		
			DIN EN 61000-6-3		
Shock resistance			DIN EN 60068-2-27	50 g (11 ms)	
Vibration resistance			DIN EN 60068-2-6	20 g (10...2000 Hz)	
MTTF		[years]	767		
UL approval			UL Approval no.	J031	
Pressure Equipment Directive			Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request		
Mechanical data					
Weight		[g]	58.5		
Housing			cylindrical		
Dimensions		[mm]	Ø 19 / L = 66		
Materials			stainless steel (630/1.4542/17-4 PH); stainless steel (316L/1.4404); PEI		
Materials (wetted parts)			stainless steel (630/1.4542/17-4 PH)		
Min. pressure cycles			60 million; (at 1.2 times nominal pressure)		
Tightening torque		[Nm]	25...35; (recommended tightening torque; depends on lubrication, seal and pressure rating)		
Process connection			threaded connection G 1/4 external thread (DIN EN ISO 1179-2)		
Process connection sealing			FKM (DIN EN ISO 1179-2)		
Restrictor element integrated			no (can be retrofitted)		

PU5415



Pressure transmitter

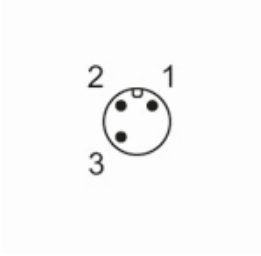
PU-006-SEG14-B-DVG/US/ IW

Remarks

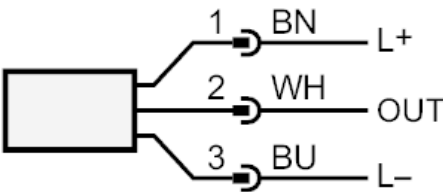
Remarks	BFSL = Best Fit Straight Line
	LS = limit value setting
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection



OUT analogue output
 colours to DIN EN 60947-5-2
 Core colours :
BN = brown
BU = blue
WH = white