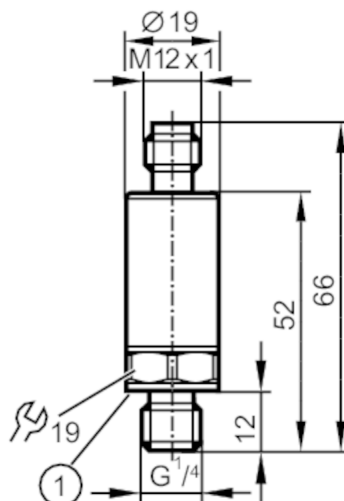




Pressure transmitter

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



1 sealing



Product characteristics

Number of inputs and outputs	Number of analog 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. burst pressure	200 bar	2900 psi	20 MPa
Pressure rating	15 bar	215 psi	1.5 MPa
Note on pressure rating	static		
Vacuum resistance	-1000 mbar	-0.1 MPa	
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 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



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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)			
Reaction times				
Step response time analog 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 number	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	tubular			
Dimensions [mm]	Ø 19 / L = 66			
Material	stainless steel (630/1.4542/17-4 PH); stainless steel (1.4404 / 316L); 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



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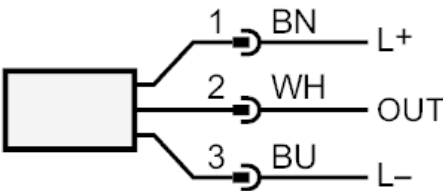
Remarks	
Remarks	BFSL = Best Fit Straight Line
	LS = limit value setting
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 3



Connection



OUT analog output
Colors to DIN EN 60947-5-2
Core colors :
BN = brown
BU = blue
WH = white