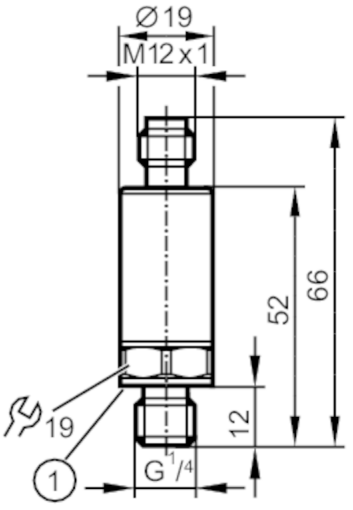
PU5415

Pressure transmitter

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



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		
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		
Analogue voltage output	[V]	0...10		

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Pressure transmitter

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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			
Materials		1.4542 (17-4 PH / 630); stainless steel (1.4404 / 316L); PEI			
Materials (wetted parts)		1.4542 (17-4 PH / 630)			
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)			
Remarks					
Remarks		BFSL = Best Fit Straight Line LS = limit value setting			

PU5415

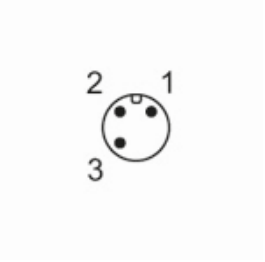
Pressure transmitter

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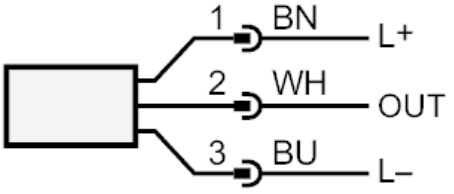
Pack quantity	1 pcs.

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