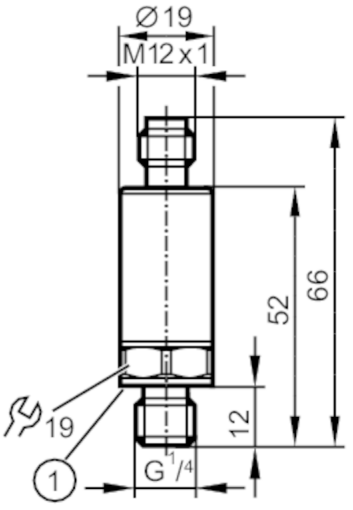
PT5415

Pressure transmitter

PT-006-SEG14-A-ZVG/US/ /W

When selecting an alternative article and accessories please note that technical data may differ!



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]	8.5...36 DC			
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 current output [mA]	4...20			

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Max. load	[Ω]	(Ub – 8,5 V) / 21,5 mA; @8,5V= 0 Ω; @12V max. 160 Ω; @24V max. 720 Ω			
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]	784			
UL approval		UL Approval no.	J027		
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request			
Mechanical data					
Weight	[g]	59			
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			

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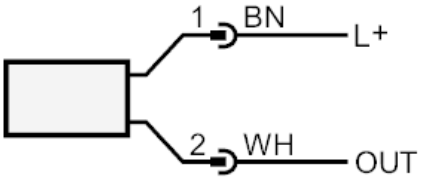
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection



OUT	analogue output The following pin connection is available under article number PT53xx Pin 1: L+, Pin 3: OUT colours to DIN EN 60947-5-2 Core colours :
BN	brown
WH	white