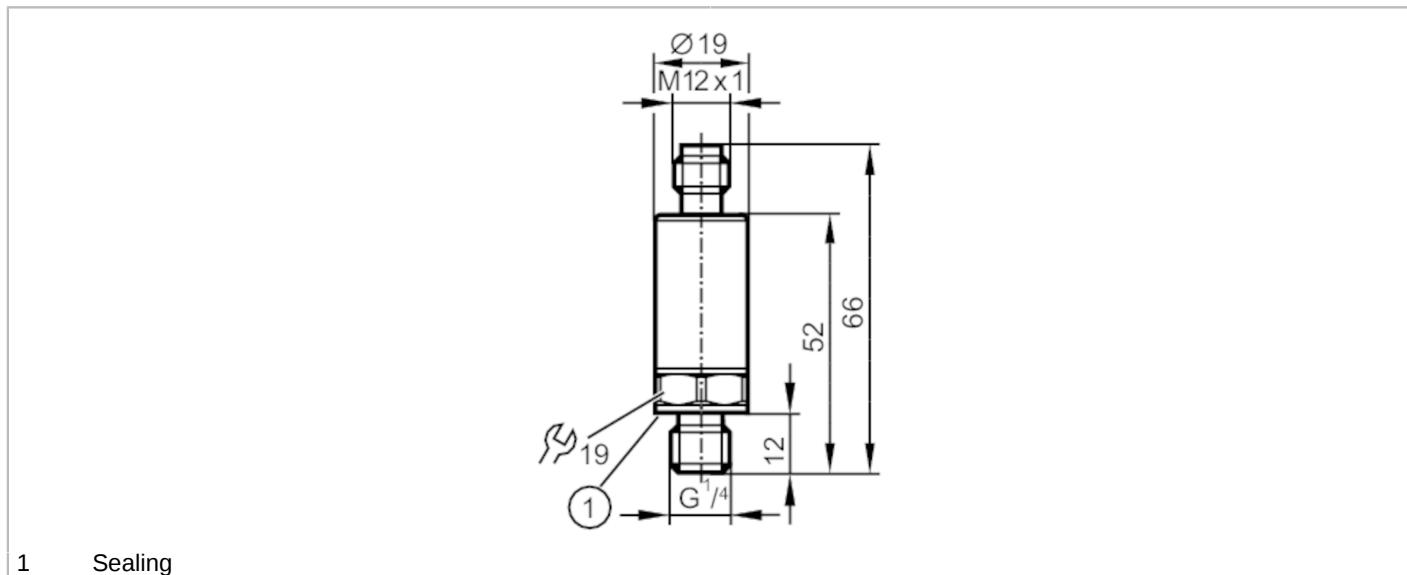


PC5024

Pressure transmitter

PT-010-SEG14-A-ZVG/US/ /W



1 Sealing



Product characteristics	
Number of inputs and outputs	Number of analogue outputs: 1
Measuring range	0...10 bar 0...145 psi 0...1000 kPa 0...1 MPa
Process connection	threaded connection G 1/4 external thread
Application	
Measuring element	metallic thin film cell
Application	for industrial applications
Media	liquids and gases
Medium temperature [°C]	-25...65
Min. bursting pressure	300 bar 4350 psi 30 MPa
Pressure rating	25 bar 360 psi 2.5 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 [$M\Omega$]	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]	755; (Ub = 24 V; (Ub - 8,5 V) / 20,5 mA)		
Short-circuit proof		yes		
Overload protection		yes		
Measuring/setting range				
Measuring range	0...10 bar	0...145 psi	0...1000 kPa	0...1 MPa
Accuracy / deviations				
Repeatability	[% of the span]	< ± 0,05; (with temperature fluctuations < 10 K)		
Characteristics deviation	[% of the span]	< ± 0,8; (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]	< 0,25 (-25...65°C)		
Response times				
Step response time analogue output	[ms]	1		
Operating conditions				
Ambient temperature	[°C]	-25...65		
Storage temperature	[°C]	-25...65		
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		
Vibration resistance		DIN EN 60068-2-6		
MTTF	[years]	787		
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request		
Mechanical data				
Weight	[g]	56.5		
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		
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		
Pack quantity		1 pcs.		

PC5024



Pressure transmitter

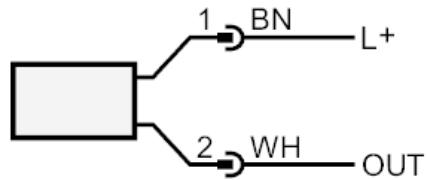
PT-010-SEG14-A-ZVG/US/ /W

Electrical connection

Connector: 1 x M12; coding: A



Connection



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