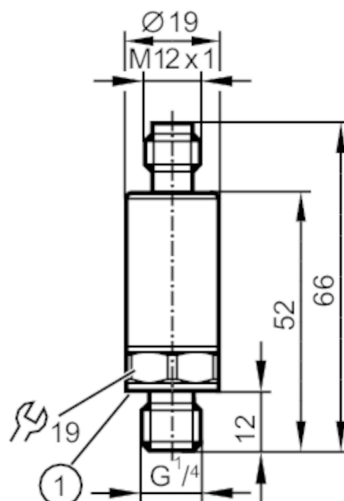


PC5024



Pressure transmitter

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



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 [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



Pressure transmitter

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

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	[X21]	< ± 0,05; (with temperature fluctuations < 10 K)			
Characteristics deviation	[X21]	< ± 0,8; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis)			
Linearity deviation	[X21]	< ± 0,1 (BFSL) / < ± 0,2 (LS)			
Hysteresis deviation	[X21]	< ± 0,2			
Long-term stability	[X21]	< ± 0,1; (per 6 months)			
Temperature coefficient zero point and span	[X22]	< 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	500 g (1 ms)		
Vibration resistance		DIN EN 60068-2-6	20 g (10...2000 Hz)		
MTTF	[ANN]	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		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			
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

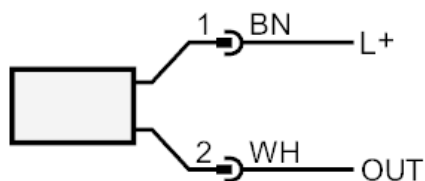
PT-010-SEG14-A-ZVG/US/ /W

Electrical connection

Connector: 1 x M12; coding: A



Connection



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