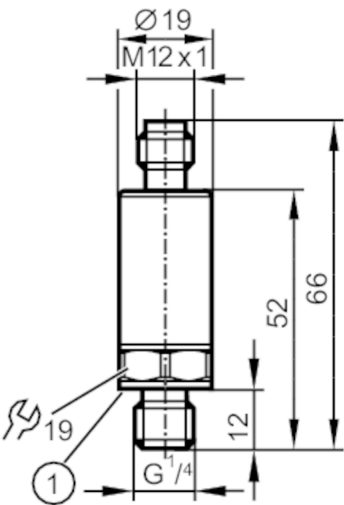


PT5404



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 (DIN EN ISO 1179-2)			
Application				
Application	for industrial applications			
Media	liquids and gases			
Medium temperature [°C]	-40...90			
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			
Max. load [Ω]	(U _b – 8,5 V) / 21,5 mA; @8,5V= 0 Ω; @12V max. 160 Ω; @24V max. 720 Ω			

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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]	< ± 0,5; (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]	< 0,1 (-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 [ANN]	686
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data	
Weight [g]	59
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 (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
Pack quantity	1 pcs.

PT5404



Pressure transmitter

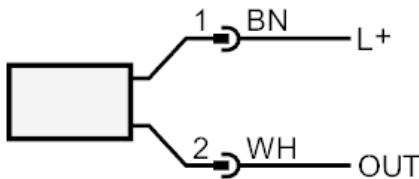
PT-010-SEG14-A-ZVG/US/ IW

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
BN	brown
WH	white