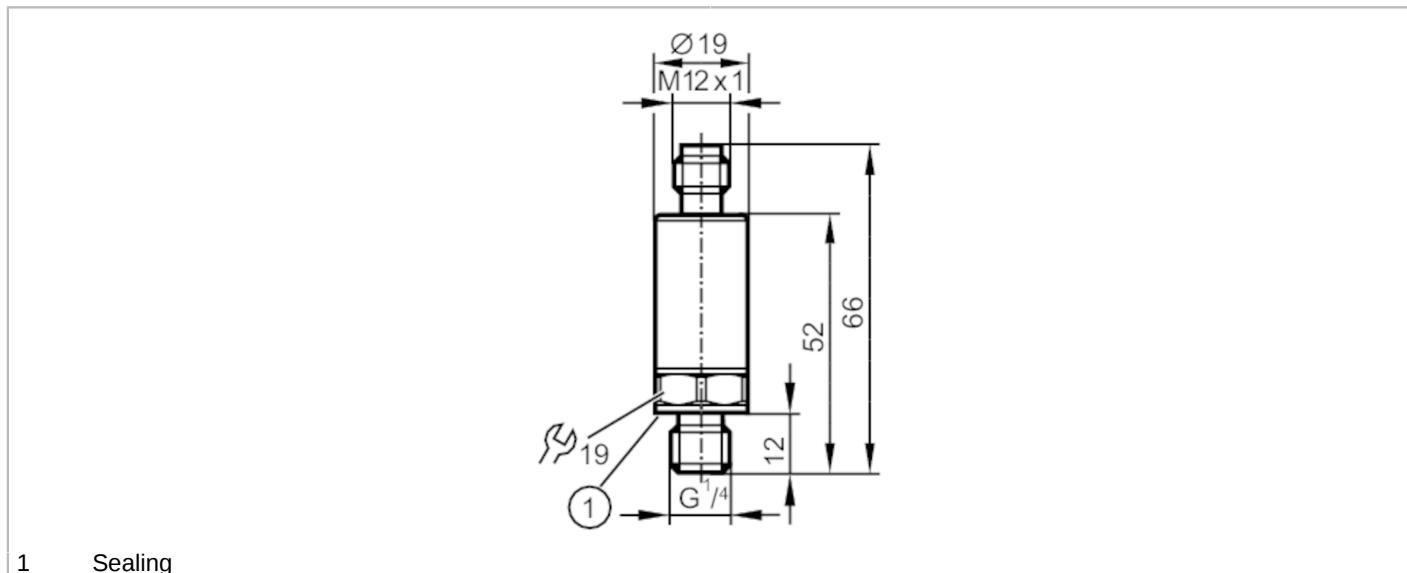


PC5115



Pressure transmitter

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



1 Sealing



Product characteristics		
Number of inputs and outputs		Number of analogue outputs: 1
Measuring range [bar]		0...6
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]		-25...70
Min. bursting pressure [bar]		200
Pressure rating [bar]		15
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
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]		755; ($U_b = 24 \text{ V}$; $(U_b - 8.5 \text{ V}) / 20.5 \text{ mA}$)
Short-circuit proof		yes

PC5115



Pressure transmitter

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

Overload protection		yes
Measuring/setting range		
Measuring range	[bar]	0...6
Accuracy / deviations		
Repeatability	[X21]	< ± 0,05; (with temperature fluctuations < 10 K)
Characteristics deviation	[X21]	< ± 1; (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...70 °C)
Response times		
Step response time analogue output	[ms]	1
Operating conditions		
Ambient temperature	[°C]	-25...70
Storage temperature	[°C]	-25...70
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	[ANN]	787
UL approval		UL Approval no. J027
		File number UL E174189
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data		
Weight	[g]	57
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
Pack quantity		1 pcs.

PC5115



Pressure transmitter

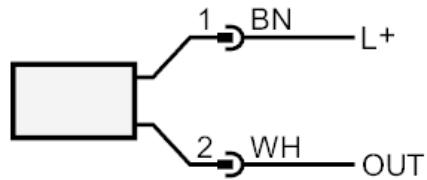
PT-006-SEG14-A-ZVG/US/ /W

Electrical connection

Connector: 1 x M12; coding: A



Connection



OUT analogue output
The following pin connection is available on request: Pin 1: L+, Pin 3: OUT
colours to DIN EN 60947-5-2

Core colours :

BN brown
WH white