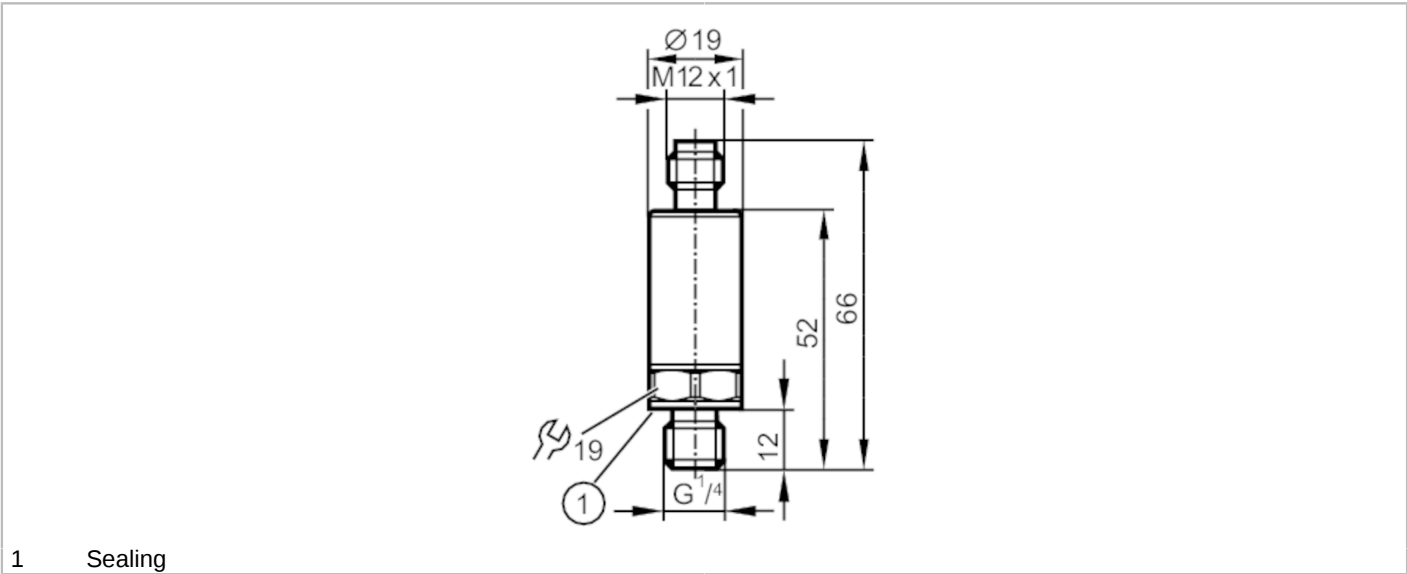




Pressure transmitter

PU-025-SEG14-B-DVG/US/ IW



Product characteristics			
Number of inputs and outputs	Number of analogue outputs: 1		
Measuring range	0...25 bar	0...360 psi	0...2.5 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	600 bar	8700 psi	60 MPa
Pressure rating	65 bar	940 psi	6.5 Mpa
Note on pressure rating	static		
Vacuum resistance [mbar]	-1000		
Type of pressure	relative pressure		
Electrical data			
Operating voltage [V]	16...36 DC		
Current consumption [mA]	< 12		
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 voltage output [V]	0...10		



Pressure transmitter

PU-025-SEG14-B-DVG/US/ IW

Min. load resistance	[Ω]	2000
Short-circuit proof		yes
Overload protection		yes
Measuring/setting range		
Measuring range	0...25 bar	0...360 psi
		0...2.5 MPa
Accuracy / deviations		
Repeatability	[X21]	$< \pm 0,05$; (with temperature fluctuations < 10 K)
Characteristics deviation	[X21]	$< \pm 0,5$; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis)
Linearity deviation	[X21]	$< \pm 0,1$ (BFSL) / $< \pm 0,2$ (LS)
Hysteresis deviation	[X21]	$< \pm 0,2$
Long-term stability	[X21]	$< \pm 0,1$; (per 6 months)
Temperature coefficient zero point and span	[X22]	$< \pm 0,1$ ($-25...90$ °C) / $< \pm 0,2$ ($-40...-25$ °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
Vibration resistance		DIN EN 60068-2-6
MTTF	[ANN]	767
UL approval		UL Approval no. J031
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
Pack quantity		1 pcs.

PU5403



Pressure transmitter

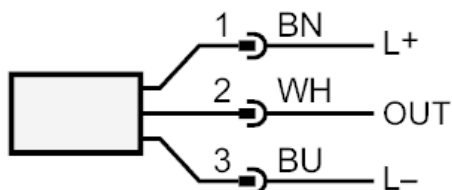
PU-025-SEG14-B-DVG/US/ IW

Electrical connection

Connector: 1 x M12; coding: A



Connection



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