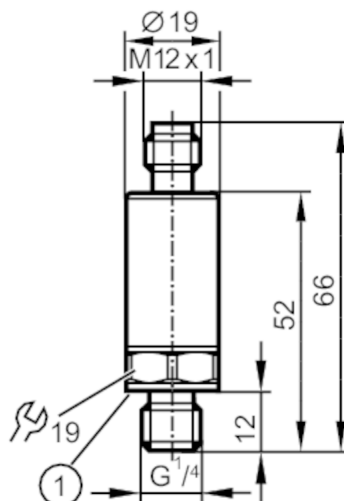




Pressure transmitter

PU-600-SEG14-B-DVG/US/ IW



1 Sealing



Application		
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-40...90
Pressure rating	[bar]	1500
Note on pressure rating		static
Min. bursting pressure	[bar]	2500
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
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
Min. load resistance	[Ω]	2000
Short-circuit proof		yes
Overload protection		yes
Measuring/setting range		
Measuring range	[bar]	0...600



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Accuracy / deviations		
Repeatability	[% of the span]	$< \pm 0,05$; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	$< \pm 0,5$; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis)
Linearity deviation	[% of the span]	$< \pm 0,1$ (BFSL) / $< \pm 0,2$ (LS)
Hysteresis deviation	[% of the span]	$< \pm 0,2$
Long-term stability	[% of the span]	$< \pm 0,1$; (per 6 months)
Temperature coefficient zero point and span	[% of the span / 10 K]	$< \pm 0,1$ ($-25...90$ °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	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF	[years]	762
Pressure Equipment Directive		Modul A; can be used for group 2 fluids; group 1 fluids on request
Mechanical data		
Weight	[g]	57.2
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]	30...50; (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 (to DIN 3869)
Restrictor element integrated		no
Remarks		
Remarks		BFSL = Best Fit Straight Line LS = limit value setting
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12		

PU5460

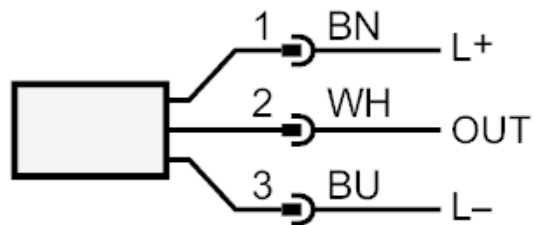


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Connection



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