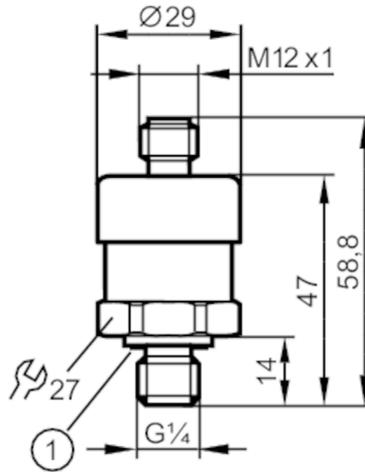


PT0517



Pressure transmitter

PT-1,6-AFG14-A-ZVG/US



1 sealing



Product characteristics

Number of inputs and outputs	Number of analog outputs: 1			
Measuring range	0...1.6 bar	0...1600 mbar	0...23.2 psi	0...160 kPa
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]	0...80		
Min. bursting pressure	10 bar	145 psi	1000 kPa
Pressure rating	3.2 bar	46 psi	320 kPa
Type of pressure	Absolute pressure		

Electrical data

Operating voltage [V]	8...30 DC		
Min. insulation resistance [MΩ]	100; (500 V DC)		
Protection class	III		
Reverse polarity protection	yes		

Inputs / outputs

Number of inputs and outputs	Number of analog outputs: 1		
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Outputs

Total number of outputs	1		
Output signal	analog signal		
Number of analog outputs	1		
Analog current output [mA]	4...20		
Max. load [Ω]	800; (U _b = 24 V; (U _b - 8 V) / 20 mA)		
Short-circuit proof	yes		

Measuring/setting range

Measuring range	0...1.6 bar	0...1600 mbar	0...23.2 psi	0...160 kPa
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Pressure transmitter

PT-1,6-AFG14-A-ZVG/US

Accuracy / deviations	
Repeatability [% of the span]	< ± 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the span]	< ± 1,0; (incl. zero point and span error, non-linearity, hysteresis)
Linearity deviation [% of the span]	< ± 0,5 (BFSL) / < ± 1,0 (LS)
Long-term stability [% of the span]	< ± 0,1; (per year)
Temperature coefficient zero point [% of the span / 10 K]	< ± 0,2; (0...80 °C)
Temperature coefficient span [% of the span / 10 K]	< ± 0,2; (0...80 °C)
Reaction times	
Step response time analog output [ms]	4
Operating conditions	
Ambient temperature [°C]	0...80
Storage temperature [°C]	-20...80
Protection	IP 67
Tests / approvals	
EMC	DIN EN 61326-1
Shock resistance	DIN EN 60068-2-27 500 g (1 ms)
Vibration resistance	DIN EN 60068-2-6 10 g (10...2000 Hz)
MTTF [years]	815
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data	
Weight [g]	118
Material	stainless steel (1.4404 / 316L); HNBR; PA
Materials (wetted parts)	stainless steel (1.4404 / 316L)
Min. pressure cycles	10 million
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	NBR (DIN EN ISO 1179-2)
Fill fluid for pressure transfer	synthetic oil
Restrictor element integrated	no
Remarks	
Remarks	BFSL = Best Fit Straight Line LS = limit value setting
Pack quantity	1 pcs.

PT0517



Pressure transmitter

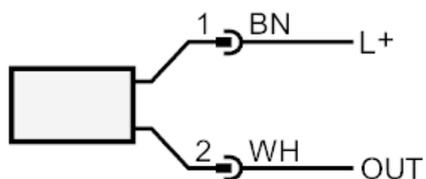
PT-1,6-AFG14-A-ZVG/US

Electrical connection

Connector: 1 x M12; coding: A



Connection



OUT analog output
 Colors to DIN EN 60947-5-2
 Core colors :
BN = brown
WH = white