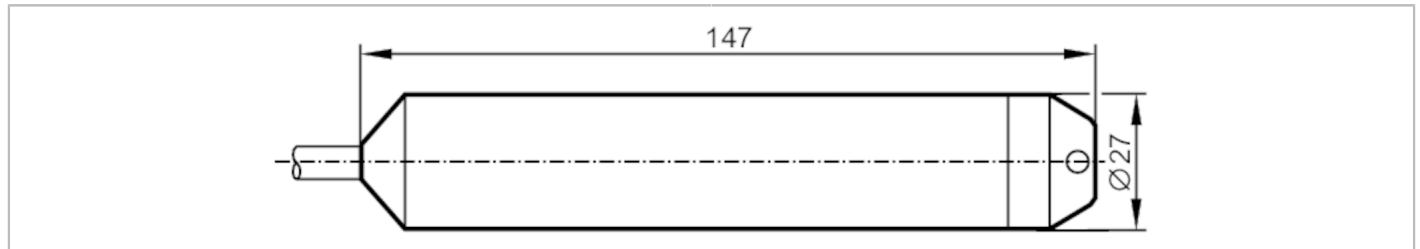


PS307A



Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 10M FEP CABLE 1G/1D



Product characteristics				
Output signal	analogue signal			
Measuring range	0...0.6 bar	0...600 mbar	0...8.7 psi	0...60 kPa
Application				
Application	for industrial applications			
Media	Liquids			
Medium temperature [°C]	-10...60; (T6: -10...60 °C; T5: -10...80 °C; T4: -10...85 °C; 1 D, 1/2 D, 2 D (750 mW): -10...40 °C; (650 mW): -10...70 °C; (550 mW): -10...85 °C)			
Min. bursting pressure	4.8 bar	70 psi	480 kPa	
Pressure rating	4 bar	58 psi	400 kPa	
Type of pressure	relative pressure			
Electrical data				
Switching amplifiers	connection to intrinsically safe supply isolators (Ex ia)			
Operating voltage [V]	10...30 DC			
Protection class	III			
Reverse polarity protection	yes			
Measuring principle	hydrostatic			
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]	700; (U _b = 24 V; (U _b - 10 V) / 20 mA)			
Short-circuit protection	yes			
Measuring/setting range				
Measuring range	0...0.6 bar	0...600 mbar	0...8.7 psi	0...60 kPa
Accuracy / deviations				
Repeatability [% of the span]	< 0,1; (with temperature fluctuations < 10 K)			
Characteristics deviation [% of the span]	< 0,25 (BFSL) / 0,5; (incl. linearity, zero and span error (limit value setting); BFSL = Best Fit Straight Line)			
Linearity deviation [% of the span]	< 0,2 (BFSL)			
Long-term stability	< 0,2; (per year)			

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	[% of the span]	
Temperature coefficient zero point	[% of the span / 10 K]	< ± 0,2; (0...50 °C)
Temperature coefficient span	[% of the span / 10 K]	< ± 0,2; (0...50 °C)
Operating conditions		
Ambient temperature	[°C]	-10...60
		T6: -10...60 °C
		T5: -10...80 °C
		T4: -10...85 °C
Note on ambient temperature		1 D, 1/2 D, 2 D (750 mW): -10...40 °C
		1 D, 1/2 D, 2 D (650 mW): -10...70 °C
		1 D, 1/2 D, 2 D (550 mW): -10...85 °C
Storage temperature	[°C]	-10...60
Protection		IP 68
Tests / approvals		
Approval		BVS 10 ATEX E 132 X; IECEx BVS 10.0085 X
ATEX marking		Ex I M1 Ex ia I Ma
		Ex II 1 G Ex ia IIA T4/T5/T6 Ga
		Ex II 1/2G Ex ia IIC T4/T5/T6 Ga/Gb
		Ex II 2 G Ex ia IIC T4/T5/T6 Gb
		Ex II 1D Ex ia IIIC T120°C Da
MTTF	[years]	969
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data		
Weight	[g]	1051.5
Materials		stainless steel (1.4571/316Ti)
Remarks		
Pack quantity		1 pcs.

PS307A



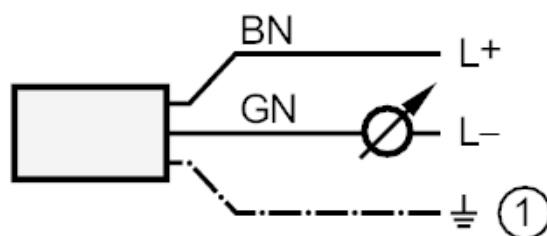
Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 10M FEP CABLE 1G/1D

Electrical connection

Cable: 10 m, FEP, Ø 7.5 mm

Connection



1: screen (connected to the housing)

Core colours :

BN = brown

GN = green