

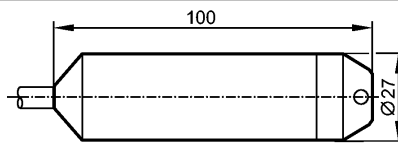


PS3417

SUBMERSIBLE 1BAR 15M PUR CABLE



Pressure sensors



CE

Product characteristics

Submersible pressure transmitter

Cable

Cable

with capillary tube for pressure compensation

Analog output

Measuring range: 0...1 bar

Application

Application	Type of pressure: relative pressure Liquids
Pressure rating [bar]	5
Bursting pressure min. [bar]	6
Medium temperature [°C]	-10...50

Electrical data

Electrical design	DC
Operating voltage [V]	10...30 DC
Protection class	III
Reverse polarity protection	yes

Outputs

Output	Analog output
Output function	4...20 mA analog
Short-circuit protection	yes
Analog output	4...20 mA
Max. load [Ω]	max. (U _b - 10 V) x 50; 700 (U _b = 24 V)

Measuring / setting range

Measuring range [bar]	0...1
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Accuracy / deviations

Accuracy / deviations (in % of the span)	
Characteristics deviation *)	< 0.5 (BFSL) /1 ****)
Linearity	< 0.2 (BFSL)
Repeatability **)	< 0.1
Long-term stability ***)	< 0.2
Temperature coefficients (TEMPCO) in the temperature range 0...50° C (in % of the span per 10 K)	
Greatest TEMPCO of the zero point	< ± 0.2
Greatest TEMPCO of the span	< ± 0.2

Environment

Ambient temperature [°C]	-10...50
Storage temperature [°C]	-30...80
Protection	IP 68

Tests / approvals



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MTTF	[Years]	732
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Mechanical data

Housing materials	stainless steel 316Ti / 1.4571; PA	
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Min. pressure cycles		
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Weight	[kg]	1.311
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Electrical connection

Connection	PUR cable / 15 m; wire insulation PVC, cable diameter 7.5 mm	
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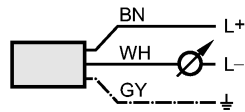
Wiring

Core colors

BN brown

GY grey

WH white



Remarks

Remarks	<p>*) BFSL = Best Fit Straight Line **) with temperature fluctuations < 10 K ***) in % of the span per year ****) incl. linearity, zero and span error (limit value setting)</p>
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Pack quantity	[piece]	1
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