

PU5760



Pressure transmitter

PU-600-SEG14-B-DVG/DE



1 sealing



Product characteristics			
Number of inputs and outputs	Number of analog outputs: 1		
Measuring range	0...600 bar	0...8700 psi	0...60 MPa
Process connection	threaded connection G 1/4 external thread (DIN EN ISO 1179-2)		
Application			
Application	for mobile applications		
Media	liquids and gases		
Medium temperature [°C]	-40...125		
Min. bursting pressure	2500 bar	36255 psi	250 MPa
Pressure rating	1500 bar	21755 psi	150 MPa
Note on pressure rating	static		
Vacuum resistance	-1000 mbar	-0.1 MPa	
Type of pressure	relative pressure		
Electrical data			
Operating voltage [V]	16...32 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 analog outputs: 1		
Outputs			
Total number of outputs	1		
Output signal	analog signal		
Number of analog outputs	1		
Analog voltage output [V]	0...10		
Min. load resistance [Ω]	2000		
Short-circuit proof	yes		

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Overload protection	yes		
Measuring/setting range			
Measuring range	0...600 bar	0...8700 psi	0...60 MPa
Accuracy / deviations			
Repeatability [% of the span]	< ± 0,05; (with temperature fluctuations < 10 K)		
Characteristics deviation [% of the span]	< ± 0,8; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis)		
Linearity deviation [% of the span]	< ± 0,25 (BFSL) / < ± 0,5 (LS)		
Hysteresis deviation [% of the span]	< ± 0,2		
Long-term stability [% of the span]	< ± 0,1; (per 6 months)		
Temperature coefficient zero point [% of the span / 10 K]	< ± 0,1 (0...80 °C); < ± 0,2 (-40...0 °C / 80...125 °C)		
Temperature coefficient span [% of the span / 10 K]	< ± 0,1 (0...80 °C); < ± 0,2 (-40...0 °C / 80...125 °C)		
Reaction times			
Step response time analog output [ms]	2		
Operating conditions			
Ambient temperature [°C]	-40...100		
Storage temperature [°C]	-40...100		
Protection	IP 67; IP 69K		
Tests / approvals			
EMC	compliant with UN ECE R10, rev. 5	(E1 compliant)	
	ISO 11452-2	100 V/m	
	DIN EN 61326-1		
Shock resistance	DIN EN 60068-2-27	500 g (1 ms)	
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)	
MTTF [years]	640		
Pressure equipment directive	Modul A; can be used for group 2 fluids; group 1 fluids on request		
Mechanical data			
Weight [g]	61.5		
Housing	tubular		
Dimensions [mm]	Ø 19 / L = 71.5		
Material	stainless steel (1.4404 / 316L); stainless steel (630/1.4542/17-4 PH); PPS		
Materials (wetted parts)	stainless steel (630/1.4542/17-4 PH)		
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	HNBR (DIN EN ISO 1179-2)		
Restrictor element integrated	yes		

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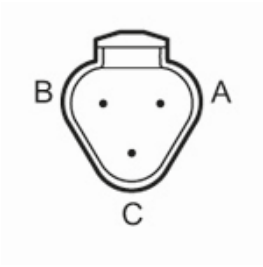
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Remarks

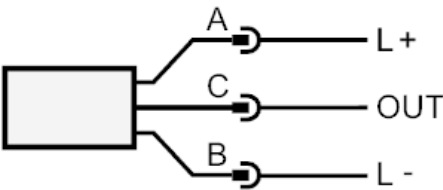
Remarks	BFSL = Best Fit Straight Line
	LS = limit value setting
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x DEUTSCH connector (DT04-3P); Maximum cable length: 30 m



Connection



OUT analog output