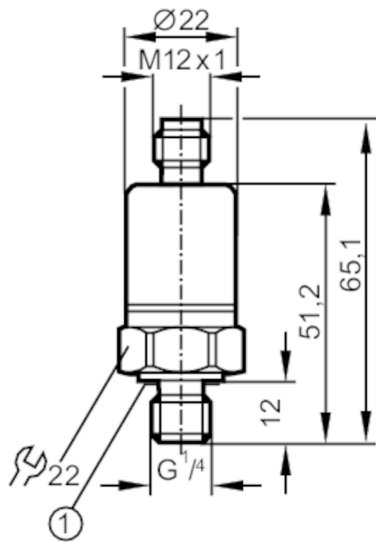


PC9050



Pressure transmitter

PT-400-SBG14-C-DVG/ IW



1 Sealing
Tightening torque 25 Nm



Product characteristics		
Number of inputs and outputs		Number of analogue outputs: 1
Measuring range	[bar]	0...400
Process connection		threaded connection G 1/4 external thread
Application		
Application		for mobile applications
Media		liquids and gases
Medium temperature	[°C]	-25...90; (on request: -40...100 °C)
Min. bursting pressure	[bar]	1600
Min. bursting pressure	[MPa]	160
Pressure rating	[bar]	600
Pressure rating	[MPa]	60
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	5 DC; (ratiometric)
Current consumption	[mA]	< 6
Min. insulation resistance	[MΩ]	100; (80 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



Pressure transmitter

PT-400-SBG14-C-DVG/ /W

Number of analogue outputs	1
Analogue voltage output [V]	0.5...4.5
Min. load resistance [Ω]	5000

Measuring/setting range

Measuring range [bar]	0...400
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Accuracy / deviations

Repeatability [% of the span]	$< \pm 0,1$; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the span]	$< \pm 1,0$; (incl. drift when overtightened, zero point and span error)
Linearity deviation [% of the span]	$< \pm 0,25$ (BFSL) / $< \pm 0,5$ (LS)
Hysteresis deviation [% of the span]	$< \pm 0,2$
Long-term stability [% of the span]	$< \pm 0,1$; (per 6 months)
Temperature drift per 10 K	$< \pm 0,5$

Response times

Step response time analogue output [ms]	8
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Operating conditions

Ambient temperature [$^{\circ}\text{C}$]	-25...90
Storage temperature [$^{\circ}\text{C}$]	-40...100
Protection	IP 67; IP 69K

Tests / approvals

EMC	immunity	according to the automotive directive 1995/54/EC
	ISO 11452-2	100 V/m
	ISO 11452-4	100 mA / severity level 4
	DIN EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	DIN EN 61000-6-2	
	radiation of interference	
	CISPR 25	
Shock resistance	DIN EN 61000-6-3	
	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF [years]		3896
UL approval	UL Approval no.	J04X

Mechanical data

Weight [g]	80.5
Housing	cylindrical
Dimensions [mm]	$\varnothing 22$ / L = 65.1
Materials	stainless steel (316L/1.4404); PA
Materials (wetted parts)	stainless steel (316L/1.4404); FKM
Min. pressure cycles	50 million
Process connection	threaded connection G 1/4 external thread
Restrictor element integrated	yes

PC9050



Pressure transmitter

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Remarks

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

Electrical connection

Connector: 1 x M12; coding: A



Connection

