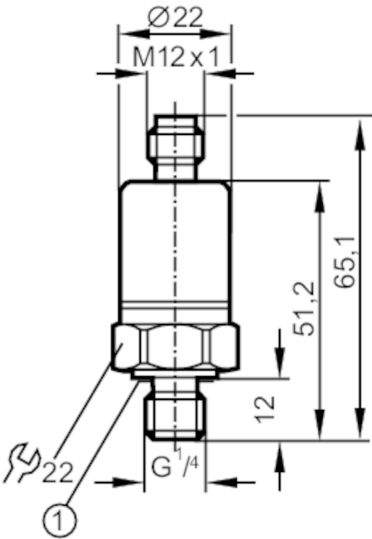


PC9050



Pressure transmitter

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



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
Pressure rating [bar]	600
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
Number of analogue outputs	1
Analogue voltage output [V]	0.5...4.5

PC9050



Pressure transmitter

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

Min. load resistance	[Ω]	5000
Measuring/setting range		
Measuring range	[bar]	0...400
Accuracy / deviations		
Repeatability	[% of the span]	< ± 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	< ± 1,0; (incl. drift when overtightened, zero point and span error)
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 drift per 10 K		< ± 0.5
Response times		
Step response time analogue output	[ms]	8
Operating conditions		
Ambient temperature	[°C]	-25...90
Storage temperature	[°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	
	DIN EN 61000-6-3	
Shock resistance	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
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
Remarks		
Remarks		BFSL = Best Fit Straight Line LS = limit value setting
Pack quantity		1 pcs.

PC9050



Pressure transmitter

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

Electrical connection

Connector: 1 x M12; coding: A



Connection

