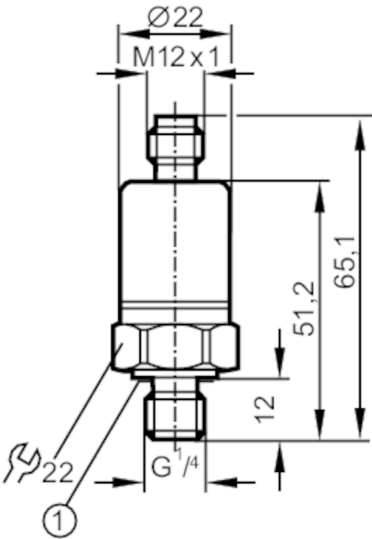


PC9050



Pressure transmitter

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



1 sealing
Tightening torque 25 Nm



Product characteristics		
Number of inputs and outputs	Number of analog outputs: 1	
Measuring range	0...400 bar	0...40000 kPa
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. burst pressure	1600 bar	160 MPa
Pressure rating	600 bar	60 MPa
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 analog outputs: 1	
Outputs		
Total number of outputs	1	
Output signal	analog signal	
Number of analog outputs	1	
Analog voltage output [V]	0.5...4.5	
Min. load resistance [Ω]	5000	

PC9050



Pressure transmitter

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

Measuring/setting range		
Measuring range	0...400 bar	0...40000 kPa
Accuracy / deviations		
Repeatability [% of the span]	< ± 0,1; (with temperature fluctuations < 10 K)	
Characteristics deviation [% of the span]	< ± 1,0; (incl. drift due to tightening torque, zero 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	
Reaction times		
Step response time analog output [ms]	8	
Operating conditions		
Ambient temperature [°C]	-25...90	
Storage temperature [°C]	-40...100	
Protection	IP 67; IP 69K	
Tests / approvals		
EMC	noise 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 number	J04X
Mechanical data		
Weight [g]	80.5	
Housing	tubular	
Dimensions [mm]	Ø 22 / L = 65.1	
Material	stainless steel (1.4404 / 316L); PA	
Materials (wetted parts)	stainless steel (1.4404 / 316L); 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	

PC9050



Pressure transmitter

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

Pack quantity

1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



Connection

