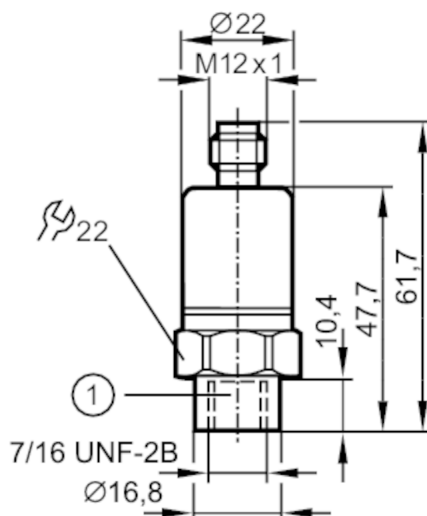


# PC9013



## Pressure transmitter

PT-075PSBU76-B-DVG/US/ /W



1 process connection with Schrader connection



### Product characteristics

|                              |                                                    |              |
|------------------------------|----------------------------------------------------|--------------|
| Number of inputs and outputs | Number of analog outputs: 1                        |              |
| Measuring range              | 0...750 psi                                        | 0...5170 kPa |
| Process connection           | threaded connection 7/16" - 20 UNF Internal thread |              |

### Application

|                         |                             |        |
|-------------------------|-----------------------------|--------|
| Application             | for industrial applications |        |
| Media                   | liquids and gases           |        |
| Medium temperature [°C] | -25...90                    |        |
| Min. bursting pressure  | 8702 psi                    | 60 MPa |
| Pressure rating         | 870 psi                     | 6 MPa  |
| Type of pressure        | relative pressure           |        |

### Electrical data

|                                 |                 |  |
|---------------------------------|-----------------|--|
| Operating voltage [V]           | 16...36 DC      |  |
| Current consumption [mA]        | < 6             |  |
| 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          |  |

### Measuring/setting range

|                 |             |              |
|-----------------|-------------|--------------|
| Measuring range | 0...750 psi | 0...5170 kPa |
|-----------------|-------------|--------------|

# PC9013



## Pressure transmitter

PT-075PSBU76-B-DVG/US/ /W

| Accuracy / deviations              |                                  |                                                                                       |
|------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| Repeatability                      | [% of the span]                  | $< \pm 0,1$ ; (with temperature fluctuations $< 10\text{ K}$ )                        |
| Characteristics deviation          | [% of the span]                  | $< \pm 1,4$ ; (incl. drift due to tightening torque, zero and span error)             |
| Linearity deviation                | [% of the span]                  | $< \pm 0,25$ (BFSL) / $< \pm 0,5$ (LS)                                                |
| Hysteresis deviation               | [% of the span]                  | $< \pm 0,3$                                                                           |
| Long-term stability                | [% of the span]                  | $< \pm 0,1$ ; (per 6 months)                                                          |
| Temperature coefficient zero point | [% of the span / $10\text{ K}$ ] | $< \pm 0,1$ ; ( $-25...90\text{ }^{\circ}\text{C}$ )                                  |
| Temperature coefficient span       | [% of the span / $10\text{ K}$ ] | $< \pm 0,1$ ; ( $-25...90\text{ }^{\circ}\text{C}$ )                                  |
| Operating conditions               |                                  |                                                                                       |
| Ambient temperature                | [ $^{\circ}\text{C}$ ]           | $-25...90$                                                                            |
| Storage temperature                | [ $^{\circ}\text{C}$ ]           | $-40...100$                                                                           |
| Protection                         |                                  | IP 67; IP 69K                                                                         |
| Tests / approvals                  |                                  |                                                                                       |
| EMC                                | EN 61000-4-2 ESD                 | 4 kV CD / 8 kV AD                                                                     |
|                                    | EN 61000-4-3 HF radiated         | 10 V/m                                                                                |
|                                    | EN 61000-4-4 Burst               | 4 kV coupling clamp                                                                   |
|                                    | EN 61000-4-5 Surge               | 1 kV signal for DC units                                                              |
|                                    | EN 61000-4-6 HF conducted        | 10 V                                                                                  |
| Shock resistance                   | DIN IEC 68-2-27                  | 50 g (11 ms)                                                                          |
| Vibration resistance               | DIN IEC 68-2-6                   | 20 g (10...2000 Hz)                                                                   |
| MTTF                               | [years]                          | 1116                                                                                  |
| Pressure equipment directive       |                                  | sound engineering practice; can be used for group 2 fluids; group 1 fluids on request |
| Mechanical data                    |                                  |                                                                                       |
| Weight                             | [g]                              | 74.5                                                                                  |
| Housing                            |                                  | tubular                                                                               |
| Dimensions                         | [mm]                             | $\varnothing 22 / L = 61.7$                                                           |
| Material                           |                                  | stainless steel (1.4404 / 316L); PA                                                   |
| Materials (wetted parts)           |                                  | stainless steel (1.4404 / 316L)                                                       |
| Min. pressure cycles               |                                  | 50 million                                                                            |
| Process connection                 |                                  | threaded connection 7/16" - 20 UNF Internal thread                                    |
| Remarks                            |                                  |                                                                                       |
| Remarks                            |                                  | BFSL = Best Fit Straight Line<br>LS = limit value setting                             |
| Pack quantity                      |                                  | 1 pcs.                                                                                |

# PC9013



## Pressure transmitter

PT-075PSBU76-B-DVG/US/ /W

### Electrical connection

Connector: 1 x M12; coding: A



### Connection

