



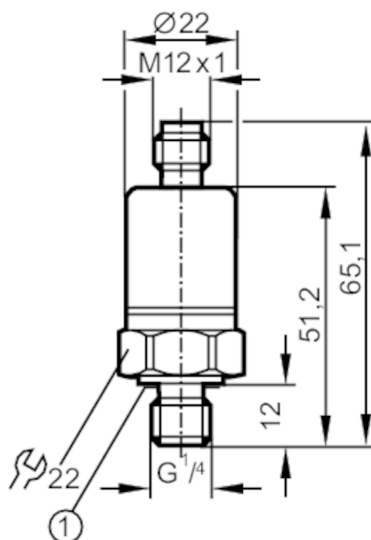
## Pressure transmitter

PT-040-SBG14-A-ZVG/US/ IW

phase-out article

Alternative articles: PT5443

When selecting an alternative article and accessories please note that technical data may differ!



1 Sealing  
Tightening torque 25 Nm



## Product characteristics

|                              |                                           |
|------------------------------|-------------------------------------------|
| Number of inputs and outputs | Number of analogue outputs: 1             |
| Measuring range [bar]        | 0...40                                    |
| Process connection           | threaded connection G 1/4 external thread |

## Application

|                              |                             |
|------------------------------|-----------------------------|
| Application                  | for industrial applications |
| Media                        | liquids and gases           |
| Medium temperature [°C]      | -25...90                    |
| Min. bursting pressure [bar] | 1000                        |
| Pressure rating [bar]        | 200                         |
| Type of pressure             | relative pressure           |

## Electrical data

|                                 |                 |
|---------------------------------|-----------------|
| Operating voltage [V]           | 8.5...36 DC     |
| Min. insulation resistance [MΩ] | 100; (500 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 |
|-------------------------|---|



## Pressure transmitter

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|                                                           |                                                                      |                          |
|-----------------------------------------------------------|----------------------------------------------------------------------|--------------------------|
| Output signal                                             | analogue signal                                                      |                          |
| Number of analogue outputs                                | 1                                                                    |                          |
| Analogue current output [mA]                              | 4...20                                                               |                          |
| Max. load [Ω]                                             | 775; (Ub = 24 V; (Ub - 8,5 V) / 20 mA)                               |                          |
| Measuring/setting range                                   |                                                                      |                          |
| Measuring range [bar]                                     | 0...40                                                               |                          |
| Accuracy / deviations                                     |                                                                      |                          |
| Repeatability [% of the span]                             | < ± 0,15; (with temperature fluctuations < 10 K)                     |                          |
| Characteristics deviation [% of the span]                 | < ± 2,0; (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]                       | < ± 0,05; (per 6 months)                                             |                          |
| Temperature coefficient zero point [% of the span / 10 K] | < ± 0,15; (-25...90 °C)                                              |                          |
| Temperature coefficient span [% of the span / 10 K]       | < ± 0,2; (-25...90 °C)                                               |                          |
| Response times                                            |                                                                      |                          |
| Step response time analogue output [ms]                   | 3                                                                    |                          |
| Operating conditions                                      |                                                                      |                          |
| Ambient temperature [°C]                                  | -25...90                                                             |                          |
| Storage temperature [°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)      |
| Mechanical data                                           |                                                                      |                          |
| Weight [g]                                                | 72.8                                                                 |                          |
| Materials                                                 | stainless steel (1.4404 / 316L); PA                                  |                          |
| Materials (wetted parts)                                  | stainless steel (1.4404 / 316L); Sealing: FKM                        |                          |
| Min. pressure cycles                                      | 50 million                                                           |                          |
| Process connection                                        | threaded connection G 1/4 external thread                            |                          |
| Remarks                                                   |                                                                      |                          |
| Remarks                                                   | BFSL = Best Fit Straight Line                                        |                          |
|                                                           | LS = limit value setting                                             |                          |

# PC3552



## Pressure transmitter

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Pack quantity

1 pcs.

### Electrical connection

Connector: 1 x M12; coding: A



### Connection

