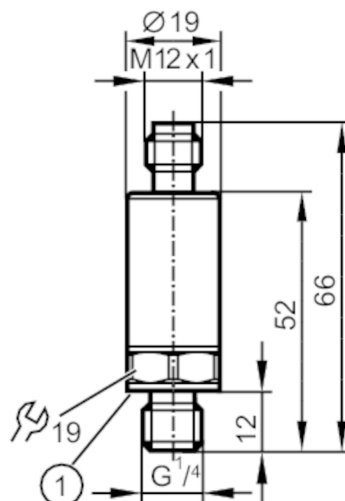


# PT5460



## Pressure transmitter

PT-600-SEG14-A-ZVG/US/ IW



1 Sealing



| Application                     |                                                                  |
|---------------------------------|------------------------------------------------------------------|
| Application                     | for industrial applications                                      |
| Media                           | liquids and gases                                                |
| Medium temperature [°C]         | -40...90                                                         |
| Pressure rating [bar]           | 1500                                                             |
| Note on pressure rating         | static                                                           |
| Min. bursting pressure [bar]    | 2500                                                             |
| Vacuum resistance [mbar]        | -1000                                                            |
| 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                                                                |
| Output signal                   | analogue signal                                                  |
| Number of analogue outputs      | 1                                                                |
| Analogue current output [mA]    | 4...20                                                           |
| Max. load [Ω]                   | 720; (U <sub>b</sub> = 24 V; (U <sub>b</sub> - 8,5 V) / 21,5 mA) |
| Short-circuit proof             | yes                                                              |
| Overload protection             | yes                                                              |
| Measuring/setting range         |                                                                  |
| Measuring range [bar]           | 0...600                                                          |

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| Accuracy / deviations                       |                        |                                                                                                      |
|---------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------|
| Repeatability                               | [% of the span]        | $< \pm 0,05$ ; (with temperature fluctuations $< 10$ K)                                              |
| Characteristics deviation                   | [% of the span]        | $< \pm 0,5$ ; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis) |
| Linearity deviation                         | [% of the span]        | $< \pm 0,1$ (BFSL) / $< \pm 0,2$ (LS)                                                                |
| Hysteresis deviation                        | [% of the span]        | $< \pm 0,2$                                                                                          |
| Long-term stability                         | [% of the span]        | $< \pm 0,1$ ; (per 6 months)                                                                         |
| Temperature coefficient zero point and span | [% of the span / 10 K] | $< 0,1$ ( $-25...90$ °C) / $< 0,2$ ( $-40...-25$ °C)                                                 |
| Response times                              |                        |                                                                                                      |
| Step response time analogue output          | [ms]                   | 1                                                                                                    |
| Operating conditions                        |                        |                                                                                                      |
| Ambient temperature                         | [°C]                   | $-40...90$                                                                                           |
| Storage temperature                         | [°C]                   | $-40...100$                                                                                          |
| Protection                                  |                        | IP 67; IP 69K                                                                                        |
| Tests / approvals                           |                        |                                                                                                      |
| EMC                                         | DIN EN 61000-6-2       |                                                                                                      |
|                                             | 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]                | 784                                                                                                  |
| Pressure Equipment Directive                |                        | Modul A; can be used for group 2 fluids; group 1 fluids on request                                   |
| Mechanical data                             |                        |                                                                                                      |
| Weight                                      | [g]                    | 58                                                                                                   |
| Materials                                   |                        | 1.4542 (17-4 PH / 630); stainless steel (1.4404 / 316L); PEI                                         |
| Materials (wetted parts)                    |                        | 1.4542 (17-4 PH / 630)                                                                               |
| Min. pressure cycles                        |                        | 60 million; (at 1.2 times nominal pressure)                                                          |
| Tightening torque                           | [Nm]                   | 30...50; (recommended tightening torque; depends on lubrication, seal and pressure rating)           |
| Process connection                          |                        | threaded connection G 1/4 external thread (DIN EN ISO 1179-2)                                        |
| Process connection sealing                  |                        | FKM (to DIN 3869)                                                                                    |
| Restrictor element integrated               |                        | no                                                                                                   |
| Remarks                                     |                        |                                                                                                      |
| Remarks                                     |                        | BFSL = Best Fit Straight Line<br>LS = limit value setting                                            |
| Pack quantity                               |                        | 1 pcs.                                                                                               |
| Electrical connection                       |                        |                                                                                                      |
| Connector: 1 x M12                          |                        |                                                                                                      |

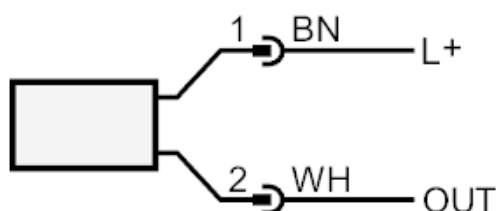
# PT5460

## Pressure transmitter

PT-600-SEG14-A-ZVG/US/ /W



### Connection



OUT                      analogue output

The following pin connection is available on request: Pin 1: L+, Pin 3: OUT  
colours to DIN EN 60947-5-2

Core colours :

BN                      brown

WH                      white