

PT5423



Pressure transmitter

PT-060-SEG14-A-ZVG/US/ IW



1 Sealing



| Application | |
|---------------------------------|--|
| Application | for industrial applications |
| Media | liquids and gases |
| Medium temperature [°C] | -40...90 |
| Pressure rating [bar] | 150 |
| Note on pressure rating | static |
| Min. bursting pressure [bar] | 900 |
| 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 _b = 24 V; (U _b - 8,5 V) / 21,5 mA) |
| Short-circuit proof | yes |
| Overload protection | yes |
| Measuring/setting range | |
| Measuring range [bar] | 0...60 |

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| Accuracy / deviations | | |
|---|------------------------|---|
| Repeatability | [% of the span] | < ± 0,05; (with temperature fluctuations < 10 K) |
| Characteristics deviation | [% of the span] | < ± 0,5; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis) |
| Linearity deviation | [% of the span] | < ± 0,1 (BFSL) / < ± 0,2 (LS) |
| Hysteresis deviation | [% of the span] | < ± 0,2 |
| Long-term stability | [% of the span] | < ± 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 | | 50 g (11 ms) |
| Vibration resistance | | 20 g (10...2000 Hz) |
| MTTF | [years] | 784 |
| UL approval | Ta | -40...55 °C |
| | Enclosure type | Type 1 |
| | voltage supply | Limited Voltage/Current |
| | UL Approval no. | J027 |
| | File number UL | E174189 |
| Pressure Equipment Directive | | Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request |
| Mechanical data | | |
| Weight | [g] | 59 |
| 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] | 25...35; (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 (can be retrofitted) |
| Remarks | | |
| Remarks | | BFSL = Best Fit Straight Line LS = limit value setting |
| Pack quantity | | 1 pcs. |

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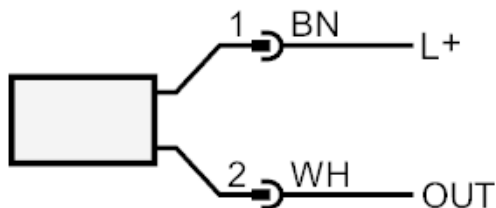
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Electrical connection

Connector: 1 x M12



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