

PU5402



Pressure transmitter

PU-100-SEG14-B-DVG/US/ IW

| Outputs | | | |
|---|------------------------|---|---------------------|
| Total number of outputs | | 1 | |
| Output signal | | analogue signal | |
| Number of analogue outputs | | 1 | |
| Analogue voltage output | [V] | 0...10 | |
| Min. load resistance | [Ω] | 2000 | |
| Short-circuit proof | | yes | |
| Overload protection | | yes | |
| Measuring/setting range | | | |
| Measuring range | | 0...100 bar | 0...1450 psi |
| | | | 0...10 MPa |
| 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 | | DIN EN 60068-2-27 | 50 g (11 ms) |
| Vibration resistance | | DIN EN 60068-2-6 | 20 g (10...2000 Hz) |
| MTTF | [years] | 762 | |
| UL approval | | UL Approval no. | J031 |
| Pressure Equipment Directive | | Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request | |

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| Mechanical data | |
|-------------------------------|--|
| Weight [g] | 58.5 |
| 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) |

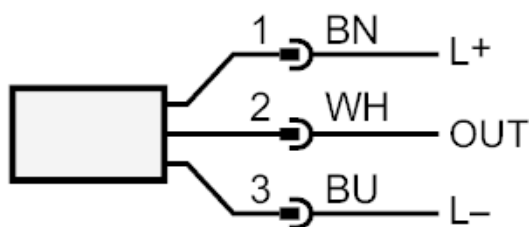
| Remarks | |
|---------------|---|
| Remarks | BFSL = Best Fit Straight Line LS = limit value setting |
| Pack quantity | 1 pcs. |

Electrical connection

Connector: 1 x M12



Connection



OUT analogue output
 colours to DIN EN 60947-5-2
 Core colours :

BN = brown
BU = blue
WH = white