

Pressure transmitter SPTE-V1R-PC10-B-2.5K

Part number: 8025975

FESTO



General operating condition

Data sheet

| Feature | Value |
|--|---|
| Symbol | 00992257 |
| Certification | RCM compliance mark c UL us - Recognized (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| Certificate issuing authority | UL E322346 |
| Note on materials | RoHS-compliant |
| Measured variable | Relative pressure |
| Method of measurement | Piezoresistive pressure sensor |
| Pressure measuring range initial value | 0 MPa |
| Pressure measuring range initial value | 0 bar |
| Pressure measuring range initial value | 0 psi |
| Pressure measuring range end value | -0.1 MPa |
| Pressure measuring range end value | -1 bar |
| Pressure measuring range end value | -14.5 psi |
| Overload pressure | 0.5 MPa |
| Overload pressure | 5 bar |
| Overload pressure | 72.5 psi |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible |
| Temperature of medium | 0 °C ... 50 °C |
| Ambient temperature | 0 °C ... 50 °C |
| Accuracy in ± % FS | 3 %FS |
| Repetition accuracy in ± %FS | 0.3 %FS |
| Temperature co-efficient in ± %FS/K | 0.05 %FS/K |
| Analog output | 1 - 5 V |
| Rise time | 1 ms |
| Min. load resistance of voltage output | 15 kOhm |
| Short-circuit protection | For all electrical connections |
| DC operating voltage range | 10 V ... 30 V |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | Cable Open end |
| Cable length | 2.5 m |
| Type of mounting | Pin-type connecton |

| Feature | Value |
|---|--|
| Mounting position | Any |
| Pneumatic connection | Cartridge 10 mm |
| Product weight | 35 g |
| Housing material | PA-reinforced |
| Sealing ring material | FPM NBR |
| Degree of protection | IP40 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitability for the production of Li-ion batteries | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1 |