

Pressure transmitter

SPTE-V1R-PC10-V-2.5K

Part number: 8025974

FESTO



Data sheet

| Feature | Value |
|--|---|
| Authorization | RCM Mark c UL us - Recognized (OL) |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Certificate issuing department | UL E322346 |
| Materials note | Conforms to RoHS |
| Measured variable | Relative pressure |
| Measurement method | Piezoresistive pressure sensor |
| Pressure measuring range start value (MPa) | 0 MPa |
| Pressure measuring range, initial value | 0 bar |
| Pressure measuring range start value (psi) | 0 psi |
| Pressure measuring range end value (MPa) | -0.1 MPa |
| Pressure measuring range, final value | -1 bar |
| Pressure measuring range end value (psi) | -14.5 psi |
| Overload pressure | 0.5 MPa 5 bar |
| Overload pressure (psi) | 72.5 psi |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible |
| Medium temperature | 0 ... 50 °C |
| Ambient temperature | 0 ... 50 °C |
| Accuracy, FS | 3 %FS |
| Repetition accuracy in ± %FS | 0.3 %FS |
| Temperature co-efficient in ± %FS/K | 0.05 %FS/K |
| Analog output | 0 - 10 V |
| Rise time | 1 ms |
| Min. load resistance, voltage output | 15 kOhm |
| Short circuit strength | for all electrical connections |
| Operating voltage range DC | 18 ... 30 V |
| Polarity protected | for all electrical connections |
| Electrical connection | 3-core Cable Open end |
| Cable length | 2.5 m |
| Mounting type | Pin-type connection |
| Assembly position | Any |
| Pneumatic connection | Cartridge 10 mm |
| Product weight | 35 g |
| Material housing | PA-reinforced |
| Material sealing ring | FPM NBR |
| Protection class | IP40 |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 4 |