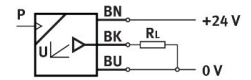


# Pressure transmitter SPTE-P10R-S4-B-2.5K

Part number: 571479

FESTO



General operating condition

## Data sheet

| Feature                                      | Value                                                       |
|----------------------------------------------|-------------------------------------------------------------|
| Symbol                                       | 00992257                                                    |
| Approval                                     | RCM trademark<br>c UL us - Recognized (OL)                  |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions       |
| Certificate issuing authority                | UL E322346                                                  |
| Note on materials                            | RoHS-compliant                                              |
| Measured variable                            | Relative pressure                                           |
| Measurement method                           | Piezoresistive pressure sensor                              |
| Start value for pressure measuring range     | 0 MPa                                                       |
| Start value for pressure measuring range     | 0 bar                                                       |
| Start value for pressure measuring range     | 0 psi                                                       |
| End value for pressure measuring range       | 1 MPa                                                       |
| End value for pressure measuring range       | 10 bar                                                      |
| End value for pressure measuring range       | 145 psi                                                     |
| Overload pressure                            | 1.5 MPa                                                     |
| Overload pressure                            | 15 bar                                                      |
| Overload pressure                            | 217.5 psi                                                   |
| Operating medium                             | Compressed air to ISO 8573-1:2010 [7:4:4]                   |
| Note on operating and pilot medium           | Lubricated operation possible                               |
| Media temperature                            | 0 °C ... 50 °C                                              |
| Ambient temperature                          | 0 °C ... 50 °C                                              |
| Accuracy in ± % FS                           | 3 %FS                                                       |
| Repetition accuracy in ± %FS                 | 0.3 %FS                                                     |
| Temperature coefficient in ± %FS/K           | 0.05 %FS/K                                                  |
| Analogue output                              | 1 - 5 V                                                     |
| Rise time                                    | 1 ms                                                        |
| Min. load resistance voltage output          | 15 kOhm                                                     |
| Short circuit current rating                 | For all electrical connections                              |
| Operational voltage range DC                 | 10 V ... 30 V                                               |
| Reverse polarity protection                  | For all electrical connections                              |
| Electrical connection                        | 3-wire<br>Cable<br>Open end                                 |
| Cable length                                 | 2.5 m                                                       |

| <b>Feature</b>                                     | <b>Value</b>                                                                                                                                              |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of mounting                                   | Plug-in                                                                                                                                                   |
| Mounting position                                  | optional                                                                                                                                                  |
| Pneumatic connection                               | Push-in sleeve QS-4                                                                                                                                       |
| Product weight                                     | 35 g                                                                                                                                                      |
| Material housing                                   | PA-reinforced                                                                                                                                             |
| Material sealing ring                              | FPM                                                                                                                                                       |
| 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 according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/ Zn/Ni |
| Cleanroom class                                    | Class 4 according to ISO 14644-1                                                                                                                          |