

# Pressure transmitter SPTE-P10R-S6-B-2.5K

Part number: 571480

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 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                        | Cable<br>Open end   |
| Cable length                                 | 2.5 m   |
| Type of mounting                             | Plug-in   |

| <b>Feature</b>  | <b>Value</b>   |
|---|--|
| Mounting position   | optional   |
| Pneumatic connection                                      | Push-in sleeve QS-6  |
| 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 with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1                                   |