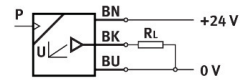


# Pressure transmitter SPTE-B2R-PC10-B-2.5K

Part number: 8025977

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     | -0.1 MPa  |
| Start value for pressure measuring range     | -1 bar  |
| Start value for pressure measuring range     | -14.5 psi   |
| End value for pressure measuring range       | 0.1 MPa   |
| End value for pressure measuring range       | 1 bar   |
| End value for pressure measuring range       | 14.5 psi  |
| Overload pressure                            | 0.5 MPa   |
| Overload pressure                            | 5 bar   |
| Overload pressure                            | 72.5 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                                   | Pin-type connection  |
| Mounting position                                  | optional   |
| Pneumatic connection                               | Cartridge 10 mm  |
| Product weight                                     | 35 g   |
| Material housing                                   | PA-reinforced  |
| Material sealing ring                              | FPM<br>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 according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/<br>Zn/Ni |
| Cleanroom class                                    | Class 4 according to ISO 14644-1   |