

# Pressure transmitter SPTE-V1R-S6-V-2.5K

Part number: 571475

FESTO



General operating condition

## Data sheet

| Feature                                      | Value   |
|--|---|
| Symbol                                       | 00992257  |
| Certification                                | RCM compliance mark<br>c UL us - Recognized (OL)    |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>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                                | 0 - 10 V  |
| Rise time                                    | 1 ms  |
| Min. load resistance of voltage output       | 15 kOhm   |
| Short-circuit protection                     | For all electrical connections                      |
| DC operating voltage range                   | 18 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   | Any  |
| Pneumatic connection                                      | Push-in sleeve QS-6  |
| Product weight  | 35 g   |
| Housing material  | PA-reinforced  |
| Sealing ring material                                     | 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                                   |