

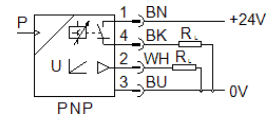
# pressure sensor SDE1-D10-G2-R18-L-PU-M8

Part number: 529972  
Product to be discontinued

FESTO

With M8 plug version.

Type to be discontinued. Available until 2019. See Support Portal for alternative products.



## Data sheet

| Feature                                 | Value  |
|---|--|
| Authorisation                           | RCM Mark<br>c UL us - Recognized (OL)                    |
| CE mark (see declaration of conformity) | to EU directive for EMC                                  |
| Materials note                          | Free of copper and PTFE<br>Conforms to RoHS              |
| Measured variable                       | Relative pressure  |
| Measurement method                      | Piezoresistive pressure sensor with display              |
| Pressure measuring range, initial value | 0 bar  |
| Pressure measuring range, final value   | 10 bar   |
| 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                            | 2 %FS  |
| Switch output                           | PNP  |
| Switching function                      | Freely programmable                                      |
| Switching element function              | Switchable   |
| Switching point reproducibility         | 0.3 %  |
| Max. output current                     | 150 mA   |
| Analogue output                         | 0 - 10 V   |
| Short circuit strength                  | Pulsing  |
| Operating voltage range DC              | 15 ... 30 V  |
| Polarity protected                      | for all electrical connections                           |
| Electrical connection                   | Plug<br>Round design<br>to EN 60947-5-2<br>M8x1<br>4-pin |
| Mounting type                           | on service unit  |
| Assembly position                       | Any  |
| Pneumatic connection                    | R1/8   |
| Product weight                          | 95 g   |
| Material housing                        | PA<br>POM-reinforced                                     |
| Type of display                         | illuminated LCD  |
| Operating status display                | LCD  |
| Setting options                         | Teach-In   |
| Protection against manipulation         | PIN-Code   |
| Threshold value setting range           | 2 ... 99.8 %   |
| Hysteresis setting range                | 0 ... 90 %   |
| Protection class                        | IP65   |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress                            |