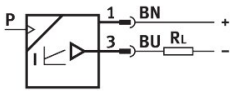
# Pressure transmitter
# SPTW-B2R-G14-A-M12

Part number: 8000100






## Data sheet

| Feature | Value |
|---|---|
| Certification | RCM compliance mark<br>c UL us - Listed (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 instructions for EMC<br>To UK RoHS instructions |
| Note on materials | RoHS compliant |
| Measured variable | Relative pressure |
| Method of measurement | Piezoresistive pressure sensor |
| Pressure measuring range initial value | -0.1 MPa<br>-1 bar<br>-14.5 psi |
| Pressure measuring range end value | 0.1 MPa<br>1 bar<br>14.5 psi |
| Max. overload pressure | 2 bar |
| Overload pressure | 0.2 MPa<br>2 bar<br>29 psi |
| Operating medium | Compressed air as per ISO 8573-1:2010 [-:-:-]<br>Liquid media<br>Gaseous media |
| Temperature of medium | 0 °C...80 °C |
| Ambient temperature | 0 °C...80 °C |
| Accuracy in ± % FS | 1 %FS |
| Repetition accuracy in ± %FS | 0.1 %FS |
| Analog output | 4 - 20 mA |
| Linearity error in ± % FS | 0.5 %FS |
| Short-circuit protection | Yes |
| DC operating voltage range | 8 V...30 V |
| Reverse polarity protection | For operating voltage |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 4 |
| Electrical connection 1, type of mounting | Screw-type lock |

| Feature | Value |
|---|---|
| | not rotatable<br>Compatible with rotatable screw-type lock |
| Material of plug housing | PA |
| Type of mounting | With internal thread<br>With accessories |
| Mounting position | Any |
| Pneumatic connection | G1/4 |
| Product weight | 80 g |
| Housing material | PA<br>VMQ (silicone)<br>high-alloy stainless steel |
| Materials in contact with the media | high-alloy stainless steel |
| Degree of protection | IP67 |
| Corrosion resistance class (CRC) | 4 - Particularly high corrosion stress |
| LABS (PWIS) conformity | VDMA24364 Zone III |