

pressure transmitter

SPTW-B11R-G14-VD-M12

Part number: 8000110

FESTO



Data sheet

| Feature | Value |
|--|---|
| Authorisation | RCM Mark c UL us - Listed (OL) |
| CE mark (see declaration of conformity) | to EU directive for EMC in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Materials note | Conforms to RoHS |
| Measured variable | Relative pressure |
| Measurement method | Thin metal film pressure sensor |
| Pressure measuring range start value (MPa) | -0.1 MPa |
| Pressure measuring range, initial value | -1 bar |
| Pressure measuring range start value (psi) | -14.5 psi |
| Pressure measuring range end value (MPa) | 1 MPa |
| Pressure measuring range, final value | 10 bar |
| Pressure measuring range end value (psi) | 145 psi |
| Overload range | 20 bar |
| Overload pressure | 2 MPa 20 bar |
| Overload pressure (psi) | 290 psi |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [-:~:] Fluid media Gaseous media |
| Medium temperature | 0 ... 80 °C |
| Ambient temperature | 0 ... 80 °C |
| Accuracy, FS | 1 %FS |
| Repetition accuracy in ± %FS | 0.1 %FS |
| Analogue output | 0,1 - 10 V |
| Linearity error in ± %FS | 0.5 %FS |
| Short circuit strength | Yes |
| Operating voltage range DC | 14 ... 30 V |
| Polarity protected | for operating voltage |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | M12x1, A-coded in accordance with EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 4 |
| Electrical connection 1, type of mounting | Screw lock |
| Material connector housing | PA |
| Mounting type | with internal (female) thread with accessories |
| Assembly position | Any |
| Pneumatic connection | G1/4 |
| Product weight | 80 g |
| Material housing | PA VMQ (silicon) High alloy steel, non-corrosive |
| Materials in contact with media | High alloy steel, non-corrosive |
| Protection class | IP67 |
| Corrosion resistance classification CRC | 4 - Very high corrosion stress |
| PWIS conformity | VDMA24364 zone III |