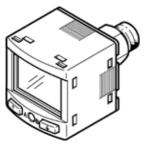
## pressure sensor SPAN-V1R-G18M-PN-PN-L1 Part number: 8035546







## **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                                  |
| Certificate issuing department                 | UL E322346   |
| Materials note                                 | Conforms to RoHS   |
| Measured variable                              | Relative pressure  |
| Measurement method                             | Piezoresistive pressure sensor                           |
| Pressure measuring range start value (MPa)     | 0 MPa  |
| Pressure measuring range, initial value        | 0 bar  |
| Pressure measuring range start value (psi)     | 0 psi  |
| Pressure measuring range end value (MPa)       | -0.1 MPa   |
| Pressure measuring range, final value          | -1 bar   |
| Pressure measuring range end value (psi)       | -14.5 psi  |
| Overload range                                 | 5 bar  |
| Overload pressure                              | 0.5 MPa  |
|  | 5 bar  |
| Overload pressure (psi)                        | 72.5 psi   |
| Operating medium                               | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
|  | Inert gases  |
| Note on operating and pilot medium             | Lubricated operation possible                            |
| Medium temperature                             | 0 50 °C  |
| Ambient temperature                            | 0 50 °C  |
| Accuracy, FS                                   | 1.5 %FS  |
| Repetition accuracy in ± %FS                   | 0.3 %FS  |
| Temperature co-efficient in ± %FS/K            | 0.05 %FS/K   |
| Switch output                                  | 2 x PNP or 2 x NPN switchable                            |
| Switching function                             | Window comparator  |
|  | Threshold value comparator                               |
|  | Auto difference monitoring                               |
| Switching element function                     | N/C or N/O contact, switchable                           |
| Max. output current                            | 100 mA   |
| Short circuit strength                         | Yes  |
| Operating voltage range DC                     | 15 30 V  |
| Polarity protected                             | for all electrical connections                           |
| Electrical connection 1, connection type       | Plug   |
| Electrical connection 1, connection technology | Connection pattern L1J                                   |
| Electrical connection 1, number of pins/wires  | 4  |
| Mounting type                                  | Front panel installation                                 |
|  | with thread  |
|  | with wall/surface fixing                                 |
| Assembly position                              | Any  |
| Pneumatic connection                           | Male thread G1/8   |
|  | Female thread M5   |



| Feature                                 | Value                           |
|---|---------------------------------|
| Product weight                          | 46 g                            |
| Material housing                        | PA-reinforced                   |
| Materials in contact with media         | FPM                             |
|   | High alloy steel, non-corrosive |
| Type of display                         | illuminated LCD                 |
| Unit(s) that can be displayed           | MPa                             |
|   | bar                             |
|   | inchH2O                         |
|   | inchHg                          |
|   | kPa                             |
|   | kgf/cm <sup>2</sup>             |
|   | mbar                            |
|   | mmHg                            |
|   | psi                             |
| Setting options                         | Teach-In                        |
|   | Via display and buttons         |
| Protection against manipulation         | PIN-Code                        |
| Threshold value setting range           | 0100%                           |
| Hysteresis setting range                | 0 90 %                          |
| Protection class                        | IP40                            |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress   |
| PWIS conformity                         | VDMA24364-B1/B2-L               |
| RSBP classification to CD-0033          | F1a                             |
| Cleanroom class                         | ISO class 4                     |