

Pressure sensor SPAB-B2R-R18-NB-M8

Part number: 553156

FESTO

With relative pressure -1 to 1 bar.



Data sheet

Feature	Value
Authorization	C-Tick c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Materials note	Contains PWIS substances Conforms to RoHS
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor with display
Pressure measuring range, initial value	-1 bar
Pressure measuring range, final value	1 bar
Overload range	5 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Ambient temperature	-10 ... 50 °C
Switch output	NPN
Switching function	Freely programmable
Switching element function	Switchable
Switching point reproducibility	0.1 %
Max. output current	100 mA
Analog output	1 - 5 V
Precision analog output zero point in ± %FS	5 %FS
Precision analog output margin in ± %FS	5 %FS
Reproducibility analog value	0.2 %
Precision display FS	1 %FS
Short circuit strength	Yes
Operating voltage range DC	12 ... 24 V
Polarity protected	for operating voltage
Electrical connection	Plug Round design to EN 60947-5-2 M8x1 4-pin
Mounting type	Optional Threaded with accessories
Pneumatic connection	Male thread R1/8 Female thread M5
Product weight	45 g
Materials information, housing	ABS-reinforced PBT-reinforced
Type of display	Illuminated LCD, multicolored
Unit(s) that can be displayed	bar inchH2O inchHg kPa

Feature	Value
	psi mmHg kgf/cm ²
Operating status display	LCD, yellow
Setting options	Teach-In Via display and buttons
Protection against manipulation	PIN-Code
Threshold value setting range	0 ... 100 %
Hysteresis setting range	0 ... 90 %
Protection class	IP40
Corrosion resistance classification CRC	2