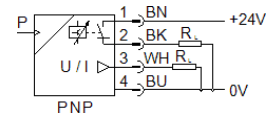


# Pressure sensor SPAB-B2R-R18-PB-L1

Part number: 8000052

FESTO



## Data sheet

Feature	Value
Authorization	RCM Mark 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	PNP
Switching function	Freely programmable
Switching element function	Switchable
Repetition accuracy of switching output in ± %FS	0.1 %FS
Max. output current	100 mA
Analog output	4 - 20 mA 1 - 5 V
Precision analog output zero point in ± %FS	5 %FS
Precision analog output margin in ± %FS	5 %FS
Repetition accuracy of analogue output in ± %FS	0.2 %FS
Precision display FS	1 %FS
Short circuit strength	Yes
Operating voltage range DC	12 ... 24 V
Polarity protected	for all electrical connections
Electrical connection	Plug Cubic design 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 kgf/cm <sup>2</sup> mmHg psi

Feature	Value
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 - Moderate corrosion stress