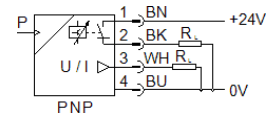


# pressure sensor SPAB-B2R-N18-PB-L1

Part number: 8000053

FESTO



## Data sheet

Feature	Value
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
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
Analogue output	4 - 20 mA 1 - 5 V
Precision analogue output zero point in ± %FS	5 %FS
Precision analogue 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 NPT1/8-27 Female thread M5
Product weight	45 g
Materials information, housing	ABS-reinforced PBT-reinforced
Type of display	Illuminated LCD, multicoloured
Unit(s) that can be displayed	bar inchH2O inchHg kPa kgf/cm <sup>2</sup> mmHg psi

<b>Feature</b>	<b>Value</b>
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