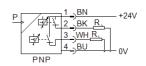
pressure sensor SPAB-B2R-R18-2P-L1 Part number: 8000046







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	2xPNP
Switching function	Freely programmable
Switching element function	Switchable
Repetition accuracy of switching output in ± %FS	0.1 %FS
Max. output current	100 mA
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, multicoloured
Unit(s) that can be displayed	bar
omit(a) that can be displayed	inchH2O
	inchHg
	kPa
	kgf/cm ²
	mmHg
Operating status display	psi LCD, yellow
Operating status display	Teach-In
Setting options	
	Via display and buttons PIN-Code
Protection against manipulation	
Threshold value setting range	0 100 %
Hysteresis setting range	0 90 %
Protection class	IP40
Corrosion resistance classification CRC	2 - Moderate corrosion stress