Pressure sensor SPAB-B2R-R18-2P-M8

Part number: 553147

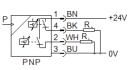
With relative pressure -1 to 1 bar.



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	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
	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
	kgf/cm ²
	mmHg
	psi
Operating status display	LCD, yellow

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Feature	Value
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