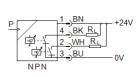
Pressure sensor SPAW-B11R-G12M-2N-M12

Part number: 8022768



For measuring media pressures, pressure measuring range between -1 and +10 bar, pneumatic connection male thread G1/2.





Data sheet

Feature	Value
Authorization	RCM Mark
	c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
•	To UK RoHS instructions
Materials note	Conforms to RoHS
Measured variable	Relative pressure
Measurement method	Thin metal film pressure sensor
Pressure measuring range start value (MPa)	-0.1 MPa
Pressure measuring range, initial value	-1 bar
Pressure measuring range start value (psi)	-14.5 psi
Pressure measuring range end value (MPa)	1 MPa
Pressure measuring range, final value	10 bar
Pressure measuring range end value (psi)	145 psi
Overload pressure	2 MPa
	20 bar
Overload pressure (psi)	290 psi
Operating medium	Compressed air in accordance with ISO8573-1:2010 [-:-:-]
	Fluid media
	Gaseous media
Medium temperature	-20 85 °C
Ambient temperature	0 80 °C
Accuracy, FS	1 %FS
Repetition accuracy in ± %FS	0.15 %FS
Switch output	2xNPN
Switching function	Freely programmable
Switching element function	Switchable
Max. output current	250 mA
Rise time	3 ms
Short circuit strength	Yes
Operating voltage range DC	15 35 V
Polarity protected	for operating voltage
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	Screw lock
Mounting type	with external (male) thread
Assembly position	Any
Pneumatic connection	Male thread G1/2
Product weight	230 g
Material housing	ABS
	High alloy steel, non-corrosive



Feature	Value	
Materials in contact with media	High alloy steel, non-corrosive	
Material sealing ring	NBR	
Type of display	4-place alphanumeric	
	LED display	
Unit(s) that can be displayed	MPa	
	bar	
	kPa	
	kg/cm ²	
	psi	
Operating status display	Red LED	
Setting options	Via display and buttons	
Protection against manipulation	PIN-Code	
Threshold value setting range	0.5 100 %	
Hysteresis setting range	0.5 99.5 %	
Protection class	IP65	
	IP67	
Corrosion resistance classification CRC	4 - Very high corrosion stress	
PWIS conformity	VDMA24364 zone III	