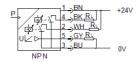# pressure sensor
SPAW-B11R-G12M-2NV-M12
Part number: 8022840

FESTO

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

Data sheet

Feature	Value
Authorisation	RCM Mark
	c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
	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
Analogue output	0 - 10 V
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	5
Electrical connection 1, type of mounting	Screw lock
Mounting type	with external (male) thread
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/cm²
	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