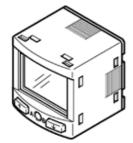
pressure sensor SPAN-B-B11R-G18FPM-PN-L1+2.5S Part number: 8114777



FESTO



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	Piezoresistive 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 range	15 bar
Overload pressure	1.5 MPa
	15 bar
Overload pressure (psi)	217.5 psi
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
	Inert gases
Note on operating and pilot medium	Lubricated operation possible
Medium temperature	0 50 °C
Ambient temperature	0 50 °C
Accuracy, FS	1.5 %FS
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.1 %FS/K
Switch output	PNP/NPN, switchable
Switching function	Window comparator
	Threshold value comparator
Switching element function	N/C or N/O contact, switchable
Max. output current	80 mA
Short circuit strength	Yes
Operating voltage range DC	10.8 30 V
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	Connection pattern L1J
Electrical connection 1, number of pins/wires	
Mounting type	Front panel installation
	with thread
	with wall/surface fixing
Assembly position	Any
Pneumatic connection	Female thread G1/8
Product weight	21 g
Material housing	PA-reinforced
Materials in contact with media	FPM

FESTO

Feature	Value	
	PA-reinforced	
Type of display	illuminated LCD	
Unit(s) that can be displayed	MPa	
	bar	
	inchHg	
	kPa	
	mmHg	
	psi	
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	
PWIS conformity	VDMA24364-B1/B2-L	
RSBP classification to CD-0033	F1a	
Cleanroom class	ISO class 4	