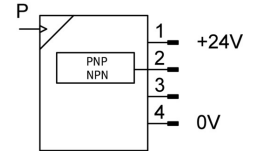


Pressure sensor SPAN-B-B2R-R18M-PN-L1+2.5S

Part number: 8114769

FESTO



Data sheet

Feature	Value
Symbol	00997331
Approval	RCM trademark
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
KC mark	KC-EMV
Note on materials	RoHS-compliant
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor
Start value for pressure measuring range	-0.1 MPa
Start value for pressure measuring range	-1 bar
Start value for pressure measuring range	-14.5 psi
End value for pressure measuring range	0.1 MPa
End value for pressure measuring range	1 bar
End value for pressure measuring range	14.5 psi
Max. overload pressure	5 bar
Overload pressure	0.5 MPa
Overload pressure	5 bar
Overload pressure	72.5 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation possible
Media temperature	0 °C ... 50 °C
Ambient temperature	0 °C ... 50 °C
Accuracy in ± % FS	1.5 %FS
Repetition accuracy in ± %FS	0.3 %FS
Temperature coefficient in ± %FS/K	0.1 %FS/K
Switching 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 current rating	yes
Operational voltage range DC	10.8 V ... 30 V
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Plugs
Electrical connection 1, connector system	Connection pattern L1J

Feature	Value
Electrical connection 1, number of connections/cores	4
Electrical connection 1, connection pattern	00995428
Type of mounting	Front panel mounting Via thread Via wall/surface bracket
Mounting position	optional
Pneumatic connection	Male thread R1/8
Product weight	31 g
Material housing	PA-reinforced
Material in contact with the medium	FPM Nickel-plated brass PA-reinforced
Display type	Illuminated LCD
Displayable units	MPa bar inHg kPa mmHg psi
Setting options	Teach-in Via display and keys
Protection against tampering	PIN code
Setting range threshold value	0 % ... 100 %
Setting range hysteresis	0 % ... 90 %
Degree of protection	IP40
Corrosion resistance class CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L