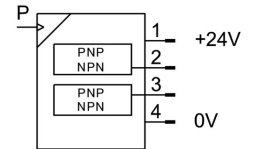


Pressure sensor SPAN-B2R-G18M-PN-PN-L1

Part number: 8035545

FESTO



Data sheet

Feature	Value
Type code	SPAN
Electrical connection 1, connection technology	Connection diagram L1J
Electrical connection for input 1, connection pattern	00995428
KC characters	KC EMC
Electrical connection 1, connection type	Plug
Electrical connection 1, number of pins/wires	4
Symbol	00995686
Certification	c UL us - Listed (OL) RCM compliance mark
CE marking (see declaration of conformity)	As per EU RoHS directive As per EU EMC directive
Certificate issuing authority	UL E322346
Note on materials	RoHS-compliant
Measured variable	Relative pressure
Method of measurement	Piezoresistive pressure sensor
Pressure measuring range initial value	-1 bar
Pressure measuring range end value	1 bar
Max. overload pressure	5 bar
Operating medium	Inert gas Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible
Temperature of medium	0 °C ... 50 °C
Ambient temperature	0 °C ... 50 °C
Accuracy in ± % FS	1.5 %FS
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.05 %FS/K
Switching output	2 x PNP or 2 x NPN switchable
Switching function	Auto difference monitoring Threshold value comparator Window comparator
Switching element function	N/C contact/N/O contact switchable
Max. output current	100 mA
Short-circuit protection	yes
DC operating voltage range	15 V ... 30 V
Reverse polarity protection	for all electrical connections
Type of mounting	Front panel mounting With thread With wall/surface bracket

Feature	Value
Mounting position	Any
Pneumatic connection	External thread G1/8 Internal thread M5
Product weight	46 g
Housing material	PA-reinforced
Materials in contact with the media	FPM NBR PA-reinforced Brass, nickel-plated
Display type	Illuminated LCD
Displayable unit(s)	bar kgf/cm ² MPa mbar mmHg inchH2O inchHg kPa psi
Setting options	Teach-in Via display and pushbuttons
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