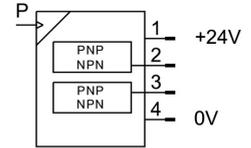


# Pressure sensor SPAN-P10R-R18M-PN-PN-L1

Part number: 8035547

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	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS 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	0 bar
Pressure measuring range end value	10 bar
Max. overload pressure	15 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
Electrical connection	Rectangular design Plug 4-pin

Feature	Value
Type of mounting	With thread Front panel mounting With wall/surface bracket
Mounting position	Any
Pneumatic connection	Internal thread M5 External thread R1/8
Product weight	46 g
Housing material	PA-reinforced
Display type	Illuminated LCD
Displayable unit(s)	bar inchHg mmHg kgf/cm <sup>2</sup> psi inchH2O kPa MPa
Setting options	Via display and pushbuttons Teach-in
Protection against tampering	PIN code
Threshold value setting range	0 % ... 100 %
Hysteresis setting range	0 % ... 90 %
Degree of protection	IP40
Corrosion resistance class (CRC)	2 - Moderate corrosion stress