

Pressure Sensor SPAN-P10R-R18M-PN-PN-L1 - Festo 8035547

Item no. FES-8035547

Manufacturer Festo

EAN 4052568284879

Festo sensor for reliable monitoring of position, pressure or status in the pneumatic system.

TECHNICAL DATA

HS-Code	90262020
Pneumatischer Anschluss	R1/8
Schutzart	IP40
Weight	0.05 kg
Werkstoff	Polyamid (PA)



STANDARDS & COMPLIANCE

ISO 8573-1:2010

DESCRIPTION

Festo sensor for reliable monitoring of position, pressure or status in the pneumatic system. The key technical data of this genuine Festo article are listed below.

Permission	RCM mark c UL us - Listed (OL)
CE certificate (see declaration of conformity)	acc. to EU-EMV Directive acc. to EU-RoHS Directive
KC-mark	KC-EMV
Certified awarding point	UL E322346
Material information	RoHs compliant
Measured parameter	Relative pressure
Measurement process	Piezoresistive pressure sensor
Druckmessbereich Anfangswert (MPa) [MPa]	0

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Pressure measurement range starting value [bar]	0
Druckmessbereich Anfangswert (psi) [psi]	0
Druckmessbereich Endwert (MPa) [MPa]	1,0
Pressure measurement range end value [bar]	10
Druckmessbereich Endwert (psi) [psi]	145,0
Overload range [bar]	15
Overload pressure [MPa]	1,5
Überlastdruck (psi) [psi]	217,5
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Information about operating and control medium	Oiled operation possible
Medium temperature [°C]	0 to 50
ambient temperature [°C]	0 to 50
Accuracy FS [%FS]	1,5
Repeatability in ± %FS [%FS]	0,3
Temperature coefficient in ± %FS/K [%FS/K]	0,05
Control output	2 x PNP or 2 x NPN switchable
Switch function	Window comparator Threshold comparator Auto difference monitoring
Switching element function	Opener/closer switchable
Max. output current [mA]	100
Short circuit resistance	yes
Operating voltage range DC [V]	15 to 30
Reverse polarity protection	for all electrical connections

Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	Wiring diagram L1J
Electrical connection 1, number of pins / wires	4
Fastening type	Front panel integration With Wall / flat holder With thread
installation position	arbitrary
Pneumatic connection	Male thread R1/8 female thread M5
Product weight [g]	46
Housing material	PA reinforced
From medium contacting materials	FPM NBR PA-verstärkt Messing, vernickelt
Display type	Illuminating LCD
Presentable unit(s)	MPa bar inchH2O inchHg kPa kgf/cm² mbar mmHg psi
Setting options	Teach-in Via display and buttons
Tamper-proof fuse	PIN code
Settings range threshold value [%]	0 to 100
Settings range hysteresis [%]	0 to 90
Protection category	IP40
Corrosion resistant class KBK	2 - moderate corrosion stress