

Pressure Sensor SPAN-P10R-R18M-PNLK-PNVBA-L1 - Festo 8035536

Item no. FES-8035536

Manufacturer Festo

EAN 4052568284763

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
Analogue output	0 - 10 V 4 - 20 mA 1 - 5 V
Max. load resistance current output [Ohm]	500
Min. load resistance voltage output [kOhm]	20

Short circuit resistance	yes
Report	IO-Link
IO-Link, report	Device V 1.1
IO-Link, profile	Smart sensor profile
IO-Link, function classes	Teach channel Diagnosis Identification Binary data channel (BDC) Process data variables (PDV)
IO-Link, communication mode	COM2 (38.4 kBaud)
IO-Link, SIO mode support	yes
IO-Link, port type	A
IO-Link, process data width OUT	0 Bytes
IO-Link, process data width IN	2 Bytes
IO-Link, process data contents IN	14 bit PDV (pressure measurement) 2 bit BDC (pressure monitoring)
IO-Link, minimum cycle time	3 ms
IO-Link, data memory needed [Byte]	500
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	IO-Link Teach-In über Display und Tasten
Tamper-proof fuse	IO-Link 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