

Pressure Sensor SPAE-V1R-Q3-PNLK-2.5K - Festo 8001442

Item no. FES-8001442

Manufacturer Festo

EAN 4052568277192

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

TECHNICAL DATA

HS-Code	90262020
Pneumatischer Anschluss	QS-3
Schutzart	IP40
Weight	0.115 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 - Recognized (OL)
CE certificate (see declaration of conformity)	acc. to EU-EMV Directive acc. to EU-RoHS Directive
KC-mark	KC-EMV
Material information	RoHs compliant
Measured parameter	Relative pressure
Measurement process	Piezoresistive pressure sensor with display
Pressure measurement range starting value [bar]	0
Pressure measurement range end value [bar]	-1
Overload range [bar]	5
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

esd.equipment

Keldersstr. 15
42697 Solingen, Deutschland
VAT ID: DE269659389

Phone: +49 212 38340680
shop@esd-equipment.com

esd.equipment

Page 1/3

Information about operating and control medium	Oiled operation possible
Medium temperature [°C]	0 to 50
ambient temperature [°C]	0 to 50
Resolution analogue-digital converter [Bit]	10
Accuracy FS [%FS]	1,5
Repeatability in $\pm$ %FS [%FS]	0,3
Temperature coefficient in $\pm$ %FS/K [%FS/K]	0,05
Control output	PNP/NPN switchable
Switch function	Freely programmable
Switching element function	NC contact NO contact Switchable
Max. output current [mA]	100
display range starting value [%FS]	0
Display range end value [%FS]	99
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]	18 to 30
Reverse polarity protection	for all electrical connections
Electrical connection	3-wire cable Open end
Cable length [MTR]	2,5
Fastening type	With Accessories
installation position	arbitrary

Pneumatic connection	QS-3
Product weight [g]	40
Housing material	PA reinforced
Gasket material	NBR
Display type	LED display 2 digit
Presentable unit(s)	%FS
Switching status indicator	LED yellow
Setting options	IO-Link Teach-In über Display und Tasten
Tamper-proof fuse	PIN code
Settings range threshold value [%]	1 to 98
Protection category	IP40
Corrosion resistant class KBK	2 - moderate corrosion stress