

# pressure sensor SDE5-

Part number: 529027

FESTO



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Materials note	Conforms to RoHS
Measured variable	Differential pressure Relative pressure
Measurement method	Piezoresistive pressure sensor
Pressure measuring range, initial value	-1 bar
Pressure measuring range, final value	10 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible
Medium temperature	0 ... 50 °C
Ambient temperature	0 ... 50 °C
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.05 %FS/K
Switch output	NPN PNP
Switching function	Window comparator Freely programmable Threshold value with fixed hysteresis Threshold value with variable hysteresis
Switching element function	Normally closed contact Normally open contact Switchable
Max. output current	100 mA
Analogue output	0 - 10 V
Output characteristic curve initial value	0 V
Output characteristic curve final value	10 V
Accuracy, analogue output FS	3 %FS
Linearity error in ± %FS	0.3 %FS
Short circuit strength	Yes
Operating voltage range DC	15 ... 30 V
Polarity protected	for all electrical connections
Electrical connection	Cable Plug
Cable length	2.5 m
Mounting type	with accessories
Assembly position	Any
Pneumatic connection	QS-4 QS-6 QS-5/32

Feature	Value
	QS-1/4
Product weight	19 ... 47 g
Material housing	PA POM
Ready status display	LED
Protection class	IP40
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L