

Pressure sensor SDE5-

Part number: 529027

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Approval	RCM trademark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS-compliant
Measured variable	Differential pressure Relative pressure
Measurement method	Piezoresistive pressure sensor
Start value for pressure measuring range	-1 bar
End value for pressure measuring range	10 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible
Media temperature	0 °C ... 50 °C
Ambient temperature	0 °C ... 50 °C
Repetition accuracy in ± %FS	0.3 %FS
Temperature coefficient in ± %FS/K	0.05 %FS/K
Switching output	NPN PNP
Switching function	Window comparator Freely programmable Threshold value with fixed hysteresis Threshold value with variable hysteresis
Switching element function	N/C contact N/O contact Switchable
Max. output current	100 mA
Analogue output	0 - 10 V
Output characteristic curve start value	0 V
Output characteristic curve end value	10 V
Accuracy analogue output in ± %FS	3 %FS
Linearity error in ± %FS	0.3 %FS
Short circuit current rating	yes
Operational voltage range DC	15 V ... 30 V
Reverse polarity protection	For all electrical connections
Electrical connection	Cable Plugs

Feature	Value
Cable length	2.5 m
Type of mounting	With accessories
Mounting position	optional
Pneumatic connection	QS-4 QS-6 QS-5/32 QS-1/4
Product weight	19 g ... 47 g
Material housing	POM
Ready status indication	LED
Degree of protection	IP40
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 4 according to ISO 14644-1