

pressure sensor SDE3-...

Part number: 539679

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 to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
ATEX category Gas	II 3G
Explosion ignition protection type Gas	Ex ec IIC T6 X Gc
ATEX category Dust	II 3D
Explosion ignition protection type Dust	Ex tc IIIC T80°C X Dc
Explosion-proof ambient temperature	0°C ≤ Ta ≤ +50°C
Materials note	Conforms to RoHS
Measured variable	Differential pressure Relative pressure 1x relative pressure/1x differential pressure 2 x relative pressure
Measurement method	Piezoresistive pressure sensor with display
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
Accuracy, FS	2 %FS
Switch output	2xNPN 2xPNP
Switching function	Freely programmable
Switching element function	Switchable
Switching point reproducibility	0.3 %
Max. output current	100 mA
Short circuit strength	Pulsing
Operating voltage range DC	15 ... 30 V
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable Cable with plug Plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101 M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	4 ... 5 V
Electrical connection 1, type of mounting	Screw lock
Cable length	2.5 m
Mounting type	Front panel installation with through hole with top-hat rail

Feature	Value
	with wall/surface fixing
Assembly position	Any
Pneumatic connection	QS-4 QS-5/32
Material housing	PA-reinforced PC
Type of display	illuminated LCD
Operating status display	LCD, yellow
Setting options	Teach-In
Protection against manipulation	PIN-Code
Threshold value setting range	0 ... 100 %
Hysteresis setting range	0 ... 90 %
Protection class	IP65
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L