

Pressure sensor SDE3-V1S-B-HQ4-2P-M8

Part number: 540193

FESTO



Data sheet

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	Relative pressure
Measurement method	Piezoresistive pressure sensor with display
Start value for pressure measuring range	0 MPa 0 bar 0 psi
End value for pressure measuring range	-0.1 MPa -1 bar -14.5 psi
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
Accuracy in ± % FS	2 %FS
Switching output	2xPNP
Switching function	Freely programmable
Switching element function	Switchable
Reproducibility of switching value	0.3 %
Max. output current	100 mA
Short circuit current rating	Pulsed
Operational voltage range DC	15 V...30 V
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Plugs
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104
Electrical connection 1, number of connections/cores	4
Electrical connection 1, type of mounting	Screw-type lock
Type of mounting	With through-hole With H-rail

Feature	Value
Mounting position	optional
Pneumatic connection	QS-4
Product weight	37 g
Material housing	PA-reinforced PC
Display type	Illuminated LCD
Switching status indication	LCD yellow
Setting options	Teach-in
Protection against tampering	PIN code
Setting range threshold value	0 %...100 %
Setting range hysteresis	0 %...90 %
Degree of protection	IP65
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 4 according to ISO 14644-1