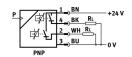
Pressure sensor SDE3-D6M-B-HQ4-2P-M8 Part number: 568669

FESTO





General operating condition

Method of measurement Piezoresistive pressure sensor with display Pressure measuring range initial value O MPa Pressure measuring range initial value O bar Pressure measuring range initial value O psi Pressure measuring range end value O 6 MPa Pressure measuring range end value Pressure measuring range end value Ressure measuring range end value	eature	Value
c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU EMC directive As per EU RMC directive As per EU RMC directive As per EU RMC directive As per EU RMS directive To UK RoHS instructions Note on materials Note on materials RoHS-compliant Measured variable 1x relative pressure/1x differential pressur Method of measurement Piezoresistive pressure sensor with display Pressure measuring range initial value O MPa Pressure measuring range initial value O bar Pressure measuring range end value O ABP Operating medium Compressed air as per ISO 8573-1:2010 [7 Information on operating and pilot media Operation with oil lubrication possible Temperature of medium O °C 50 °C Accuracy in ± % FS 2 %FS Switching output 2xPNP Switching function Freely programmable Switching function Freely programmable Switching element function Reproducibility of switching value Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection For all electrical connections Electrical connection 1, connection type Electrical connection 1, umber of pins/wires 4 Electrical connection 1, type of mounting Screw-type lock With H-rail	ymbol	00991165
As per EU ROHS directive To UK instructions for EMC To UK RoHS instructions Note on materials RoHS-compliant Measured variable As relative pressure /1x differential pressur Method of measurement Method of measurement Method of measurement Pressure measuring range initial value O MPa Pressure measuring range initial value O bar Pressure measuring range initial value O posi Pressure measuring range end value O bar Pressure measuring range on value O bar Pressure measuring range end value O bar Pressure measuring range on value O bar Pressure measuring range initial value O compressed air as per ISO 8573-1:2010 [7 Information on operation with oil lubrication possible O compressed air as per ISO 8573-1:2010 [7 Information on operation with oil lubrication possible O compressed air as per ISO 8573-1:2010 [7 S o °C Accuracy in ± % FS Switching output S o °C Accuracy in ± % FS Switching output S o °C Accuracy in ± % FS Switching output S o °C Accuracy in ± % FS Switching output S o °C Accuracy in ± % FS Switching output S o °C Accuracy in ± % FS Switching output S o °C Accuracy in ± % FS Switching output S o °C Accuracy in ± % FS Switchin	ertification	_
To UK RoHS instructions Note on materials RoHS-compliant Measured variable Pressure measuring range initial value Pressure measuring range end value Operating medium Compressed air as per ISO 8573-1:2010 [7 Information on operating and pilot media Operation with oil lubrication possible Temperature of medium O° C 50° C Accuracy in ± % FS Switching output Switching output Switching function Freely programmable Switching function Switchable Reproducibility of switching value O.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection For all electrical connection 1, connection type Electrical connection 1, connection technology Mex1 A-coded as per EN 61076-2-104 Electrical connection 1, type of mounting Electrical connection 1 for input 1, connection pattern O0991171 Type of mounting With through-hole With H-rail	E marking (see declaration of conformity)	
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Method of measurement Piezoresistive pressure sensor with display Pressure measuring range initial value O MPa Pressure measuring range initial value O bar Pressure measuring range initial value O psi Pressure measuring range end value O 6 MPa Pressure measuring range end value Pressure measuring range end value Pressure measuring range end value Roperating medium Compressed air as per ISO 8573-1:2010 [7 Information on operating and pilot media Operating medium O°C 50 °C Accuracy in ± % FS Switching output Switching output Switching function Switchable Reproducibility of switching value O 0.3 % Max. output current DO 0mA Short-circuit protection Pulsed DC operating voltage range Reverse polarity protection Flectrical connection 1, connection type Electrical connection 1, number of pins/wires Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Over mounting With through-hole With H-rail Wind part of the passage page With through-hole	ote on materials	RoHS-compliant
Pressure measuring range initial value Pressure measuring range initial value Pressure measuring range initial value Pressure measuring range end value Pressure measuring range initial value Pressure measuring range end value Pressure pressure reasuring end value Pressure pressure reasure resource for pressure resource for pressure resource reso	leasured variable	1x relative pressure/1x differential pressure
Pressure measuring range initial value Pressure measuring range initial value Pressure measuring range end value Operating medium Compressed air as per ISO 8573-1:2010 [7 Information on operating and pilot media Operation with oil lubrication possible Temperature of medium O° C 50 °C Ambient temperature 2 %FS Switching output 2 xPNP Switching output Switching function Freely programmable Switching element function Switchable Reproducibility of switching value O.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection For all electrical connections Electrical connection 1, connection type Plug Electrical connection 1, connection technology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, humber of pins/wires 4 Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern O0991171 Type of mounting With through-hole With H-rail	lethod of measurement	Piezoresistive pressure sensor with display
Pressure measuring range initial value Pressure measuring range end value Operating medium Compressed air as per ISO 8573-1:2010 [7 Information on operating and pilot media Operation with oil lubrication possible Temperature of medium O°C 50 °C Ambient temperature Accuracy in ± % FS Switching output Switching function Freely programmable Switchable Reproducibility of switching value O.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern O0991171 Type of mounting With through-hole With H-rail	ressure measuring range initial value	0 MPa
Pressure measuring range end value Operating medium Compressed air as per ISO 8573-1:2010 [7 Information on operating and pilot media Operation with oil lubrication possible Temperature of medium O°C 50 °C Ambient temperature O°C 50 °C Accuracy in ± % FS Switching output Switching output Switching function Freely programmable Switchable Reproducibility of switching value O.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	ressure measuring range initial value	0 bar
Pressure measuring range end value Pressure measuring range end value Operating medium Compressed air as per ISO 8573-1:2010 [7] Information on operating and pilot media Temperature of medium O°C 50 °C Ambient temperature O°C 50 °C Accuracy in ± % FS Switching output Switching function Freely programmable Switching element function Switching element function Reproducibility of switching value Max. output current 100 mA Short-circuit protection DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, number of pins/wires Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	ressure measuring range initial value	0 psi
Pressure measuring range end value Operating medium Compressed air as per ISO 8573-1:2010 [7 Information on operating and pilot media Temperature of medium O°C 50 °C Ambient temperature Accuracy in ± % FS Switching output Switching function Freely programmable Switching element function Reproducibility of switching value Max. output current 100 mA Short-circuit protection DC operating voltage range Is V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	ressure measuring range end value	0.6 MPa
Operating medium Compressed air as per ISO 8573-1:2010 [7] Information on operating and pilot media Operation with oil lubrication possible Temperature of medium O°C 50 °C Ambient temperature O°C 50 °C Accuracy in ± % FS ZeyFS Switching output Switching function Freely programmable Switchable Switchable Reproducibility of switching value O.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	ressure measuring range end value	6 bar
Information on operating and pilot media Deration with oil lubrication possible Temperature of medium O°C 50 °C Ambient temperature O°C 50 °C Accuracy in ± % FS Z %FS Switching output Switching function Freely programmable Switchable Reproducibility of switching value O.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	ressure measuring range end value	87 psi
Temperature of medium O °C 50 °C Ambient temperature O °C 50 °C Accuracy in ± % FS Switching output Switching function Freely programmable Switchable Switchable Reproducibility of switching value Max. output current 100 mA Short-circuit protection DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting O °C 50 °C O °C 5	perating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature Accuracy in ± % FS Switching output Switching function Freely programmable Switching element function Switchable Reproducibility of switching value Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	nformation on operating and pilot media	Operation with oil lubrication possible
Accuracy in ± % FS Switching output 2xPNP Switching function Freely programmable Switchable Reproducibility of switching value 0.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Flug Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern O0991171 Type of mounting With through-hole With H-rail	emperature of medium	0 °C 50 °C
Switching output Switching function Freely programmable Switching element function Switchable Reproducibility of switching value Max. output current Short-circuit protection DC operating voltage range 15 V 30 V Reverse polarity protection Flug Electrical connection 1, connection type Flug Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern O0991171 Type of mounting With through-hole With H-rail	mbient temperature	0 °C 50 °C
Switching function Switchable Reproducibility of switching value Max. output current Short-circuit protection DC operating voltage range Plused 15 V 30 V Reverse polarity protection Freely programmable Switchable 0.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Freely programmable Switchable Freely programmable Switchable 100 mA Short-circuit protection Pulsed 15 V 30 V Reverse polarity protection Freely programmable Freely programmable Switchable 100 mA Short-circuit protection Pulsed 15 V 30 V Reverse polarity protection Freely programmable Switchable Wash O 0991 Security protections Freely programmable Switchable With through-hole With H-rail	ccuracy in ± % FS	2 %FS
Switching element function Reproducibility of switching value 0.3 % Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern O0991171 Type of mounting With through-hole With H-rail	witching output	2xPNP
Reproducibility of switching value Max. output current 100 mA Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, type of mounting With through-hole With H-rail	witching function	Freely programmable
Max. output current Short-circuit protection Pulsed DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 4 Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	witching element function	Switchable
Short-circuit protection DC operating voltage range 15 V 30 V Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 4 Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	eproducibility of switching value	0.3 %
DC operating voltage range Reverse polarity protection Electrical connection 1, connection type Plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 4 Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	lax. output current	100 mA
Reverse polarity protection for all electrical connections Electrical connection 1, connection type Plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 4 Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern 00991171 Type of mounting With through-hole With H-rail	hort-circuit protection	Pulsed
Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 4 Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	C operating voltage range	15 V 30 V
Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	everse polarity protection	for all electrical connections
Electrical connection 1, number of pins/wires Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	lectrical connection 1, connection type	Plug
Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern Type of mounting With through-hole With H-rail	lectrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection for input 1, connection pattern 00991171 Type of mounting With through-hole With H-rail	lectrical connection 1, number of pins/wires	4
Type of mounting With through-hole With H-rail	lectrical connection 1, type of mounting	Screw-type lock
With H-rail	lectrical connection for input 1, connection pattern	00991171
Mounting position Any	ype of mounting	
ı	lounting position	Any

Feature	Value
Pneumatic connection	QS-4
Product weight	37 g
Housing material	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