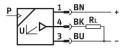
Pressure sensor SDE5-V1-NF-Q6E-V-M8 Part number: 567463



Data sheet

cut us - kecognized (OL)CE marking (see declaration of conformity)As per EU EMC directiveAs per EU ROHS directiveAs per EU ROHS directiveUKCA marking (see declaration of conformity)To UK instructions for EMC To UK NethS instructionsNote on materialsRoHS-compliantMeasured variableRelative pressureMethod of measurementPiezoresistive pressure sensorPressure measuring range end value0 barOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possibleTemperature of medium0 °C50 °CAnabient temperature0 °C50 °CRepetition accuracy in ± %FS0.3 %FSColuptu tharacteristic curve initial value0 vOvoluptu tharacteristic curve10 VPression analog output in ± %FS0.3 %FSColuptu tharacteristic curve0 vEnd value output tharacteristic curve0 VDC operating voltage range15 V30 VReverse polarity protection6 rall electrical connectionsElectrical connection3-pin M8x1 Pug as per FSType of mountingWith accessoriesMounting positionAny	Feature	Value
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Pressure measuring range end value -1 bar Operating medium Compressed air as per ISO 8573-1:2010[7:4:4] Information on operating and pilot media Operation with oil lubrication possible Temperature of medium 0 °C50 °C Ambient temperature 0 °C50 °C Repetition accuracy in ± %FS 0.3 %FS Temperature co-efficient in ± %FS/K 0.05 %FS/K Analog output 0 -10 V Output characteristic curve initial value 0 V End value output characteristic curve 10 V Precision analog output in ± %FS 3 %FS Short-circuit protection yes DC operating voltage range 15 V30 V Reverse polarity protection for all electrical connections Electrical connection 3 %prin Max1 Plug as per FN 60947-5-2 Round design Type of mounting With accessories Mounting position Any	Method of measurement	Piezoresistive pressure sensor
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Information on operating and pilot mediaOperation with oil lubrication possibleTemperature of medium0 °C50 °CAmbient temperature0 °C50 °CRepetition accuracy in ±%FS0.3 %FSTemperature co-efficient in ±%FS/K0.05 %FS/KAnalog output0 - 10 VOutput characteristic curve initial value0 VEnd value output characteristic curve10 VPrecision analog output in ±%FS0.3 %FSLinearity error in ±% FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protection3-pin M&x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Pressure measuring range end value	-1 bar
Temperature of medium0 °C50 °CAmbient temperature0 °C50 °CRepetition accuracy in ± %FS0.3 %FSTemperature co-efficient in ± %FS/K0.05 %FS/KAnalog output0 - 10 VOutput characteristic curve initial value0 VEnd value output characteristic curve10 VPrecision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature0 °C50 °CRepetition accuracy in ± %FS0.3 %FSTemperature co-efficient in ± %FS/K0.05 %FS/KAnalog output0 - 10 VOutput characteristic curve initial value0 VEnd value output characteristic curve10 VPrecision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Information on operating and pilot media	Operation with oil lubrication possible
Repetition accuracy in ± %FS0.3 %FSTemperature co-efficient in ± %FS/K0.05 %FS/KAnalog output0 - 10 VOutput characteristic curve initial value0 VEnd value output characteristic curve10 VPrecision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protection3-pinMsx1 Plug as per EN 60947-5-2 Round designMet accessoriesType of mountingWith accessoriesMounting positionAny	Temperature of medium	0 °C50 °C
Temperature co-efficient in ± %FS/K0.05 %FS/KAnalog output0 - 10 VOutput characteristic curve initial value0 VEnd value output characteristic curve10 VPrecision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Ambient temperature	0 °C50 °C
Analog output0 - 10 VOutput characteristic curve initial value0 VEnd value output characteristic curve10 VPrecision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Repetition accuracy in ± %FS	0.3 %FS
Output characteristic curve initial value0 VEnd value output characteristic curve10 VPrecision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Temperature co-efficient in ± %FS/K	0.05 %FS/K
End value output characteristic curve10 VPrecision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Analog output	0 - 10 V
Precision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Output characteristic curve initial value	0 V
Linearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	End value output characteristic curve	10 V
Short-circuit protectionyesDC operating voltage range15 V30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAny	Precision analog output in ± %FS	3 %FS
DC operating voltage range 15 V30 V Reverse polarity protection for all electrical connections Electrical connection 3-pin M8x1 Plug as per EN 60947-5-2 Round design With accessories Mounting position	Linearity error in ± % FS	0.3 %FS
Reverse polarity protection for all electrical connections Electrical connection 3-pin M8x1 Plug as per EN 60947-5-2 Round design Type of mounting Mounting position	Short-circuit protection	yes
Electrical connection 3-pin M8x1 Plug as per EN 60947-5-2 Round design Type of mounting With accessories Mounting position Any	DC operating voltage range	15 V30 V
M8x1 Plug as per EN 60947-5-2 Round design Type of mounting Mounting position Any	Reverse polarity protection	for all electrical connections
Mounting position Any	Electrical connection	M8x1 Plug as per EN 60947-5-2
	Type of mounting	With accessories
Pneumatic connection QS-6	Mounting position	Any
	Pneumatic connection	QS-6

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Feature	Value
Product weight	19 g
Housing material	PA POM
Ready status indication	LED green
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