Pressure sensor SDE5-D10-NF-Q6-V-M8

Part number: 567466



Data sheet

C characters KC EMC Symbol 00991967 Certification RCM compliance mark c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU EMC directive As per EU RoHS directive Note on materials R0H5-compliant Weasured variable Relative pressure Wethod of measurement Piezoresistive pressure sensor Pressure measuring range initial value 0 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 °C 50 °C Ambient temperature 0 °C 50 °C Analog output 0 ·10 V Dutput characteristic curve initial value 0 V End value output characteristic curve 10 V Dutput characteristic curve initial value 0 V End value output characteristic curve 10 V Dutput characteristic curve 10 V Dutput characteristic curve 10 V Dutput characteristic curve 0 × End value output characteristic curve 0 × DC operating voltage range 15 V 30 V	Feature	Value
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Measured variableRelative pressureMethod of measurementPiezoresistive pressure sensorPressure measuring range initial value0 barPressure measuring range end value10 barOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possibleImperature of medium0 °C 50 °CAmbient temperature0 °C 50 °CAnalog output0.10 VOutput characteristic curve initial value0 VDutput characteristic curve10 VPrecision analog output in ± %FS3 %FSConception analog output in ± %FS3 %FSShort-circuit protectionyesDo C operating voltage range15 V 30 VReverse polarity protection5 v 30 VReverse polarity protection3-pin M8x1 Hug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPreduct weight19 gHousing materialPA POM	CE marking (see declaration of conformity)	
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Pressure measuring range initial value 0 bar Pressure measuring range end value 10 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 Iemperature of medium 0 °C 50 °C Ambient temperature 0 °C 50 °C Repetition accuracy in ± %FS 0.3 %FS Iemperature co-efficient in ± %FS/K 0.05 %FS/K Analog output 0 - 10 V Dutput characteristic curve initial value 0 V End value output characteristic curve 10 V Precision analog output in ± %FS 0.3 %FS Linearity error in ± % FS 3 %FS Linearity protection 9 %FS DC operating voltage range 15 V 30 V Reverse polarity protection 9 pin Maxin Plug as per IN 60947-5-2 Round design Type of mounting With accessories Mounting position Any Preduct weight 19 g Housing material PA	Measured variable	Relative pressure
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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 V 30 VReverse polarity protection3 -pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Temperature of medium	0 °C 50 °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 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Ambient temperature	0 °C 50 °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 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPheumatic connectionQS-6Product weight19 gHousing materialPA POM	Repetition accuracy in ± %FS	0.3 %FS
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Precision analog output in ± %FS3 %FSLinearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Output characteristic curve initial value	0 V
Linearity error in ± % FS0.3 %FSShort-circuit protectionyesDC operating voltage range15 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	End value output characteristic curve	10 V
Short-circuit protectionyesDC operating voltage range15 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Precision analog output in ± %FS	3 %FS
DC operating voltage range15 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Linearity error in ± % FS	0.3 %FS
Reverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Short-circuit protection	yes
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M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Reverse polarity protection	for all electrical connections
Mounting position Any Pneumatic connection QS-6 Product weight 19 g Housing material PA POM	Electrical connection	M8x1 Plug as per EN 60947-5-2
Pneumatic connection QS-6 Product weight 19 g Housing material PA POM	Type of mounting	With accessories
Product weight 19 g Housing material PA POM	Mounting position	Any
Housing material PA POM	Pneumatic connection	QS-6
РОМ	Product weight	19 g
Ready status indication LED green	Housing material	
	Ready status indication	LED green

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Feature	Value
Degree of protection	IP40
Corrosion resistance class (CRC)	2 - Moderate corrosion stress