Pressure sensor SDE5-V1-NF-Q6-V-M8

Part number: 567464



Data sheet

KC characters KC EMC Symbol 00991967 Certification RCM compliance mark cUL us - Recognized (OL) CE marking (see declaration of conformity) As per EU EMC directive As per EU RoHS directive Note on materials RoH-compliant Measured variable Relative pressure 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 Output characteristic curve initial value 0 V End value output characteristic curve 10 V Output characteristic curve 10 V Output characteristic curve 10 V Dubut characteristic curve 10 V <th>Feature</th> <th>Value</th>	Feature	Value
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Pressure measuring range initial value 0 bar 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 °C 50 °C Ambient temperature 0 °C 50 °C Ambient temperature or efficient 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 Linearity error in ± % FS 0.3 %FS Short-circuit protection yes DC operating voltage range 15 V 30 V Reverse polarity protection for all electrical connections Electrical connection 3 pin M8x1 Plug as pin M8x1 Plug as per IN 60947-5-2 Round design Any Pheumatic connection Q5 6 Product weight 19 g Housing material PA	Measured variable	Relative pressure
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 °C 50 °C Ambient temperature 0 °C 50 °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 0.3 %FS Short-circuit protection yes DC operating voltage range 15 V 30 V Reverse polarity protection for all electrical connections Electrical connection 3-pin M8x1 Plug as per EN 60947-5-2 Round design Type of mounting With accessories Mounting position Any Pneumatic connection Qs 6 Product weight 19 g Housing material PA	Method of measurement	Piezoresistive pressure sensor
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Information on operating and pilot mediaOperation with oil lubrication possibleTemperature of medium0 °C 50 °CAmbient temperature0 °C 50 °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 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pinM8x1Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Pressure measuring range end value	-1 bar
Temperature of medium0 °C 50 °CAmbient temperature0 °C 50 °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 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M&x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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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 protection3-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
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Output characteristic curve initial valueO 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-pinM8x1Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	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 V 30 VReverse polarity protectionfor all electrical connectionsElectrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connection19 gProduct weight19 gHousing materialPA POM	Analog output	0 - 10 V
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 ± % FS O.3 %FS Short-circuit protection yes DC operating voltage range 15 V 30 V Reverse polarity protection For all electrical connections Electrical connection J-pin M8x1 Plug as per EN 60947-5-2 Round design Type of mounting With accessories Mounting position Any Pneumatic connection QS-6 Product weight Housing material PA POM	End value output characteristic curve	10 V
Short-circuit protection yes DC operating voltage range 15 V 30 V Reverse polarity protection for all electrical connections Electrical connection 3-pin M8x1 Plug as per EN 60947-5-2 Round design Type of mounting With accessories Mounting position Any Pneumatic connection QS-6 Product weight 19 g Housing material PA POM	Precision analog output in ± %FS	3 %FS
DC operating voltage range 15 V 30 V Reverse polarity protection for all electrical connections Electrical connection 3-pin M8x1 Plug as per EN 60947-5-2 Round design Type of mounting With accessories Mounting position Any Pneumatic connection QS-6 Product weight 19 g Housing material PA 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
Electrical connection3-pin M8x1 Plug as per EN 60947-5-2 Round designType of mountingWith accessoriesMounting positionAnyPneumatic connectionQS-6Product weight19 gHousing materialPA POM	DC operating voltage range	15 V 30 V
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
POM	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