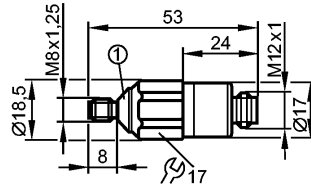


VIBRATION SENSOR

Diagnostic systems



1: conical angle = 90°



Product characteristics

Accelerometer	
VSA	
Quick disconnect	
for connection to external diagnostic electronics type VSE	
Application	
Application	Vibration detection up to ± 25 g
Electrical data	
Operating voltage [V]	7.2...10.8 DC
Current consumption [mA]	< 15
Protection class	III
Outputs	
analog	
current output [mA]	0...10
Measuring / setting range	
Measuring principle	capacitive
Measuring range [g]	± 25
Frequency range [Hz]	0...6000
Accuracy / deviations	
Sensitivity [mg/√Hz]	0.2
Linearity	0.2 %
Environment	
Ambient temperature [°C]	-30...125, cULus: max. 85 °C
Protection	IP 68 / IP 69K
Tests / approvals	
EMC	EN 61000-6-2 EN 61000-6-3 EN 50178
MTTF [Years]	1818
Mechanical data	
Type of sensor	Microelectromechanical system (MEMS)
Number of measurement axes	1
Mechanical overload resistance [g]	500
Max. length of the sensor cable [m]	250
Housing materials	housing: stainless steel 316L / 1.4404
Type of mounting	M8 x 1.25
Weight [kg]	0.048
Electrical connection	
Connection	M12 connector

Wiring

- 1: L+ (+9 V)
- 2: I out
- 3: GND
- 4: Test



VSA001 - Accelerometer - eclass: 27201406 / 27-20-14-06

Accessories

Accessories (optional)	conical washer E30115 (5 pcs.)
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Remarks

Pack quantity	[piece]	1
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