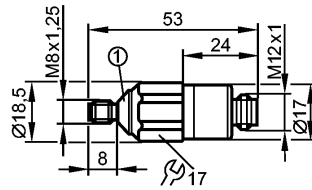


VSA201

VIBRATION SENSOR

Diagnostic systems



1: conical angle = 90°



Product characteristics	
Accelerometer	
VSA	
Connector	
for connection to external diagnostic electronics type VSE	
Application	
Application	Vibration detection up to ± 250 g
Electrical data	
Operating voltage [V]	9 DC
Current consumption [mA]	< 15
Protection class	III
Outputs	
analogue	
current output [mA]	0...10
Measuring / setting range	
Measuring principle	capacitive
Measuring range [g]	± 250
Frequency range [Hz]	0...6000
Accuracy / deviations	
Sensitivity [mg/√Hz]	3.5
Linearity	5 %
Environment	
Ambient temperature [°C]	-30...125, for UL applications: max. 70 °C
Protection	IP 68 / IP 69K
Tests / approvals	
EMC	EN 61000-6-2 EN 61000-6-3 EN 50178
MTTF [Years]	3094
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]	0.05

VSA201

VIBRATION SENSOR

Diagnostic systems

Electrical connection

Connection	M12 connector
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Wiring

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



Accessories

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

Pack quantity	[piece]	1
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