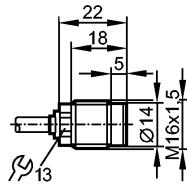


VSA006

VIBRATION SENSOR

Diagnostic systems



Product characteristics

Accelerometer

VSA

Cable

for connection to external diagnostic electronics type VSE

Application

Application: Vibration detection up to ± 25 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]	± 25
Frequency range [Hz]	0...10000

Accuracy / deviations

Sensitivity [mg/√Hz]	0.2
Linearity	0.2 %

Environment

Ambient temperature [°C]	-30...85, cULus: max. 80 °C
Protection	IP 67

Tests / approvals

EMC	EN 61000-6-2 EN 61000-6-3 EN 50178
MTTF [Years]	2642

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	M16 x 1.5
Weight [kg]	0.253

Electrical connection

**VSA006**

VIBRATION SENSOR

Diagnostic systems

Connection	PUR cable / 6 m; 4 x 0.25 mm ² ; drain wire applied to the housing
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Wiring

blue: GND

brown: L+

black: test

white: OUT

screen: drain wire

Remarks

Pack quantity	[piece]	1
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