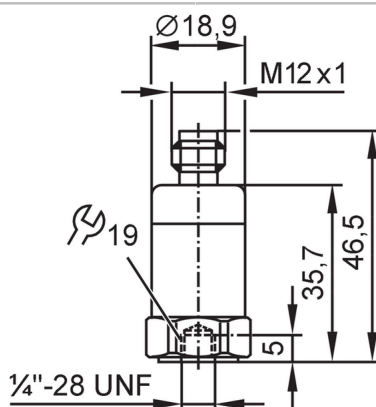


VSP001



Accelerometer

VIBRATION SENSOR



Product characteristics

Measuring range of vibration	[g]	-80...80; (-50...50 g when connected to a VSE)
Frequency range	[Hz]	2...10000
Measuring principle		piezoelectric
Communication interface		IEPE

Application

Design	for connection to external diagnostic electronics VSE
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Electrical data

Bias voltage DC	[V]	10...12
Current consumption	[mA]	0.5...8
Min. insulation resistance	[MΩ]	100; (500 V DC)
Reverse polarity protection		yes

Measuring/setting range

Measuring range of vibration	[g]	-80...80; (-50...50 g when connected to a VSE)
Frequency range	[Hz]	2...10000
Measuring principle		piezoelectric
Noise density	[mg]	0.1
Max. transverse sensitivity	[%]	5
Minimum measuring time	[s]	2
Number of measurement axes		1

Accuracy / deviations

Accuracy		± 5 %
Measuring sensitivity		100 mV/g

Interfaces

Communication interface	IEPE
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Operating conditions

Ambient temperature	[°C]	-55...125
Storage temperature	[°C]	-55...125
Protection		IP 67

VSP001



Accelerometer

VIBRATION SENSOR

Tests / approvals		
EMC	EN 61326-1	: 2013
Shock resistance		5000 g
MTTF [years]		1142
Mechanical data		
Weight [g]		73.5
Type of mounting		set screw
Material		housing: stainless steel
Tightening torque [Nm]		8
Accessories		
Items supplied		Set screws
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: 4; Maximum cable length: 1000 m		
		
1	not used	
2	IEPE +	
3	not used	
4	IEPE -	