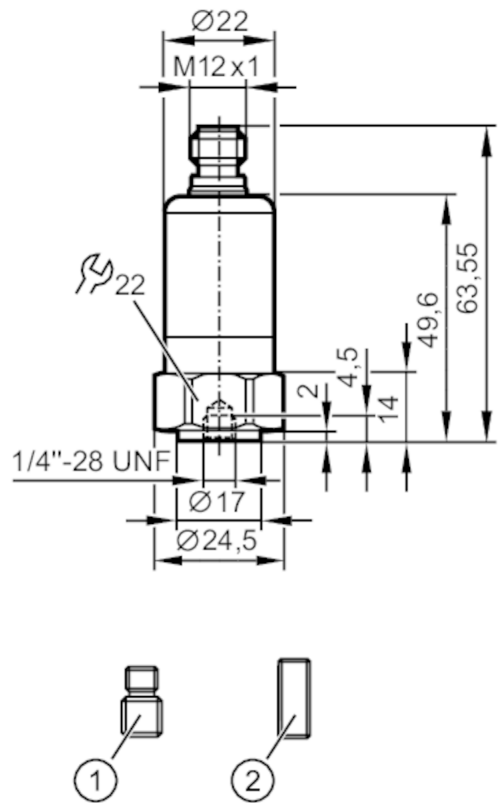




Vibration transmitter

VIBRATION TRANSMITTER



- 1 set screw 1/4"-28 UNF / M8 x 1.25 mm
2 set screw 1/4"-28 UNF
Tightening torque 8 Nm



Product characteristics		
Measuring range of vibration [mm/s]		0...50; (RMS)
Frequency range [Hz]		10...1000
Application		
Application		vibration transmitter to ISO 10816
Electrical data		
Operating voltage [V]		9.6...32 DC
Protection class		III
Sensor type		microelectromechanical system (MEMS)
Inputs / outputs		
Total number of inputs and outputs		1
Outputs		
Analogue current output [mA]		4...20
Max. load [Ω]		< (U _b - 9,6 V) x 50; U _b = 24 V: 720
Measuring/setting range		
Measuring range of vibration [mm/s]		0...50; (RMS)
Frequency range [Hz]		10...1000



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Number of measurement axes	1
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Accuracy / deviations

Measuring error [X16]	< ± 3
Repeatability	< 0,5; (% of the final value)
Linearity deviation	0,25 %

Operating conditions

Ambient temperature [°C]	-30...125
Note on ambient temperature	UL application: < 70 °C
Storage temperature [°C]	-30...125
Protection	IP 67; IP 68; IP 69K

Tests / approvals

EMC	EN 61000-6-2	
	EN 61000-6-3	
Shock resistance	DIN EN 60068-2-27	50 g 11 ms
		500 g 1 ms
Vibration resistance	DIN EN 60068-2-6	20 g / 10...3000 Hz
MTTF [ANN]		868

Mechanical data

Weight [g]	124
Type of mounting	set screw
Materials	stainless steel (1.4404 / 316L)
Tightening torque [Nm]	8

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



VTV121

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Connection



1	L+
2	4...20 mA
3	not used