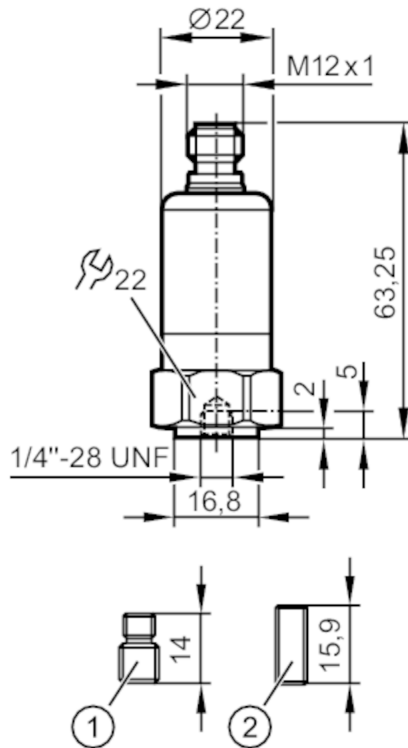


VTV12A



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...25; (RMS)
Frequency range [Hz]	10...1000

Application

Application	vibration transmitter to ISO 10816
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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
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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...25; (RMS)
Frequency range [Hz]	10...1000

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Number of measurement axes	1
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Accuracy / deviations

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

Operating conditions

Ambient temperature [°C]	-20...60
Protection	IP 67; (when used outside the hazardous area: IP 69K)

Tests / approvals

ATEX marking	II 3D Ex tc IIIC T110°C Dc X	
	II 3G Ex nA IIC T4 Gc X	
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 [years]	868	

Mechanical data

Weight [g]	139
Type of mounting	set screw
Materials	stainless steel (316L/1.4404)
Tightening torque [Nm]	8

Accessories

Items supplied	set screw: 1/4"-28 UNF / M8 x 1,25 mm
	set screw: 1/4"-28 UNF

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12

1	L+
2	4...20 mA

Electrical connection - plug



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Connection



1	L+
2	4...20 mA