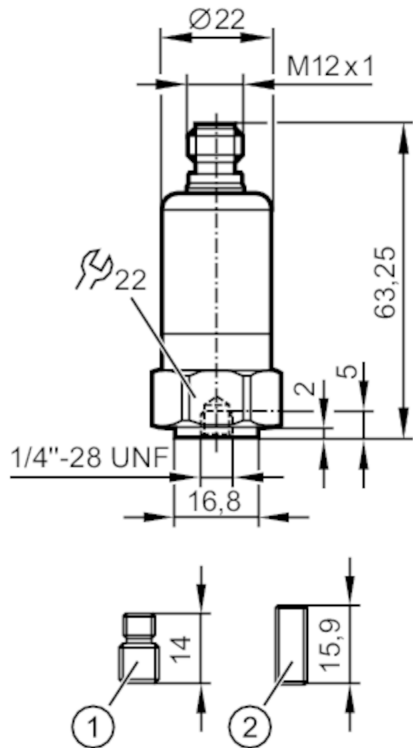




Vibration transmitter

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]		< (Ub - 9,6 V) x 50; Ub = 24 V: 720
Measuring/setting range		
Measuring range of vibration [mm/s]		0...50; (RMS)
Frequency range [Hz]		10...1000



Vibration transmitter

VIBRATION TRANSMITTER

Number of measurement axes	1
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Accuracy / deviations

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

Operating conditions

Ambient temperature [°C]	-30...125
Note on ambient temperature	UL application: $< 70^{\circ}\text{C}$
Storage temperature [°C]	-30...125
Protection	IP 67; IP 68; IP 69K

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	1 kV
	EN 61000-4-6 HF conducted	10 V
Shock resistance		400 g
MTTF [years]		868

Mechanical data

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

Accessories

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

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



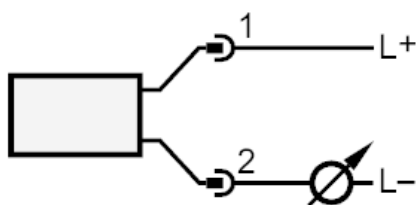
VTV121

Vibration transmitter

VIBRATION TRANSMITTER



Connection



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