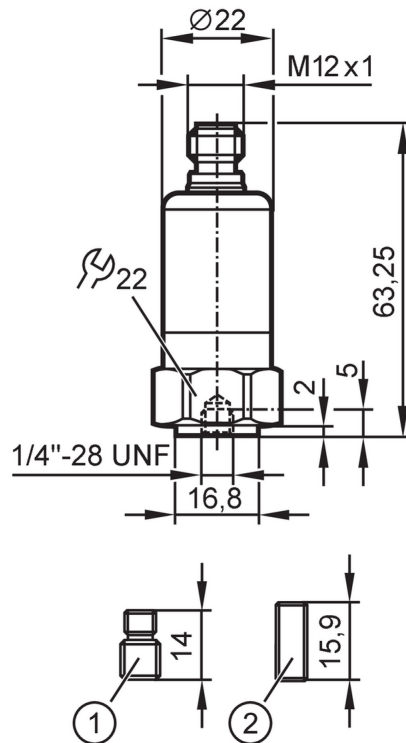


VTV12A



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
Type of sensor	Microelectromechanical system (MEMS)

Inputs / outputs

Total number of inputs and outputs	1
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Outputs

Analog current output [mA]	4...20
Max. load [Ω]	$< (U_b - 9,6 \text{ V}) \times 50$; $U_b = 24 \text{ V}$: 720

Measuring/setting range

Measuring range of vibration [mm/s]	0...25; (RMS)
Frequency range [Hz]	10...1000
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		
Approval	SEV 25 ATEX 0742 X; IECEx SEV 25.0005X	
ATEX marking	 II 3D Ex tc IIC T110°C Dc	
	 II 3G Ex ec IIC T4 Gc	
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	
Material	stainless steel (1.4404 / 316L)	
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.	
Electrical connection - plug		
Connector: 1 x M12; coding: A; Contacts: 2		
		

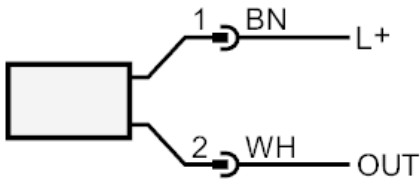
VTV12A



Vibration transmitter

VIBRATION TRANSMITTER

Connection



1	L+
2	4...20 mA