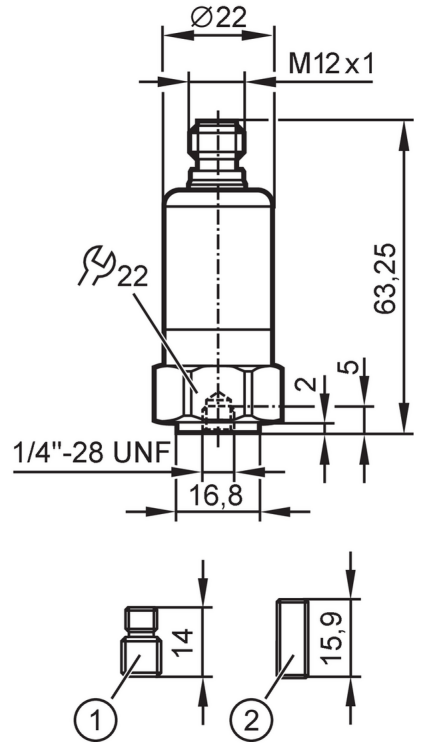
VTV12A

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
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...25; (RMS)
Frequency range	[Hz]	10...1000
Number of measurement axes		1

VTV12A

Vibration transmitter

VIBRATION TRANSMITTER

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 IIIC 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	
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.	

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 2

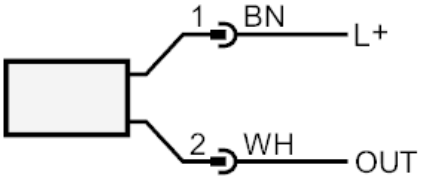


VTV12A

Vibration transmitter

VIBRATION TRANSMITTER

Connection



1	L+
2	4...20 mA