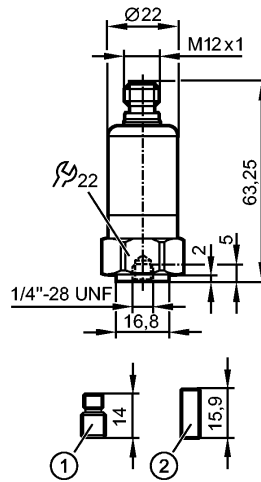


VTV121

VIBRATION TRANSMITTER

Diagnostic systems



1: Threaded adapter 1/4"-28 UNF / M8 x 1.25 mm
 2: Threaded adapter 1/4"-28 UNF
 tightening torque 8 Nm

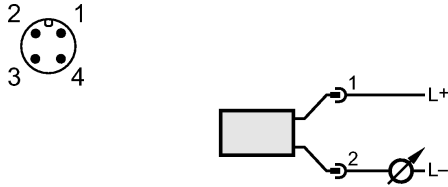


Product characteristics	
Vibration transmitter	
VTV	
Connection via M12 connector	
Vibration transmitter to ISO 10816	
Measuring range RMS: 0...50 mm/s	
Analogue output 4...20 mA	
2-wire connection technology	
Application	
Application	Vibration transmitter V_{rms} to ISO 10816
Electrical data	
Operating voltage [V]	9.6...32 DC
Protection class	III
Inputs / outputs	
Inputs / outputs total	1
Outputs	
analogue	
current output [mA]	4...20
Max. load [Ω]	max. $(U_b - 9.6 V) \times 50$; 720 at $U_b = 24 V$
Measuring / setting range	
Measuring range [mm/s]	0...50 RMS
Frequency range [Hz]	10...1000
Accuracy / deviations	
Accuracy [% of the final value]	$< \pm 3$
Repeatability	$< 0.5 \%$
Linearity	0.25 %
Environment	
Ambient temperature [$^{\circ}C$]	-30...125
Protection	IP 67 / IP 68 / IP 69K

VTV121

VIBRATION TRANSMITTER

Diagnostic systems

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]	865
Mechanical data	
Type of sensor	Microelectromechanical system (MEMS)
Number of measurement axes	1
Housing materials	stainless steel 316L / 1.4404
Type of mounting	set screw
Weight [kg]	0.122
Electrical connection	
Connection	M12 connector
Wiring 1: L+ 2: 4...20 mA 3: not used	

Remarks	
Pack quantity [piece]	1