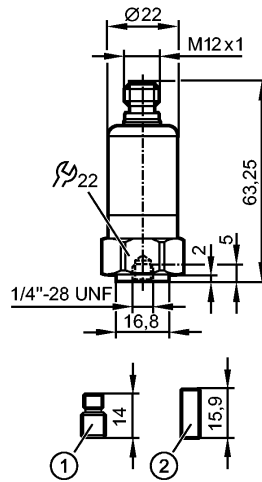


VTV121

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
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Electrical data

Operating voltage [V]	9.6...32 DC
Protection class	III

Inputs / outputs

Inputs / outputs total	1
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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

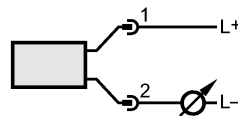
Type of sensor	Microelectromechanical system (MEMS)
Number of measurement axes	1
Housing materials	stainless steel 316L / 1.4404
Type of mounting	set screw
Weight [kg]	0.122

Electrical connection

Connection	M12 connector
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Wiring

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



Remarks

Pack quantity [piece]	1
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