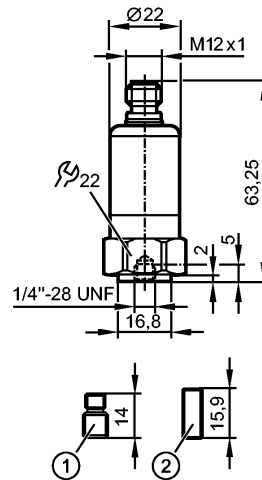


VTV122

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...25 mm/s

Analogue output 4...20 mA

2-wire connection technology

Application

Application Vibration transmitter Vrms 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) x 50; 720 at U_b = 24 V

Measuring / setting range

Measuring range [mm/s] 0...25 RMS

Frequency range [Hz] 10...1000

Accuracy / deviations

Accuracy [% of the final value] < ± 3

Repeatability < 0.5 %

Linearity 0.25 %

Environment

Ambient temperature [°C] -30...125, for UL applications: max. 80 °C

Protection IP 67 / IP 68 / IP 69K

VTV122

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]	881

Mechanical data

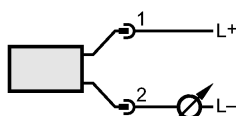
Type of sensor	Microelectromechanical system (MEMS)
Number of measurement axes	1
Housing materials	stainless steel 316L / 1.4404
Type of mounting	set screw
Weight [kg]	0.122

Electrical connection

Connection	M12 connector
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Wiring

1: L+
2: 4...20 mA


Remarks

Pack quantity [piece]	1
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