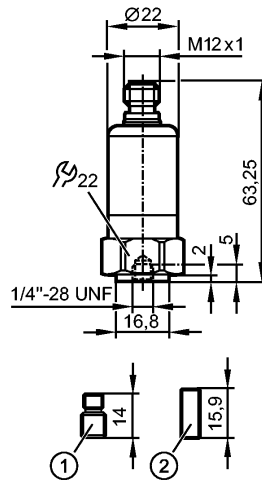


**VTV122**

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  $V_{rms}$  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 [ $\Omega$ ]: max.  $(U_b - 9.6 V) \times 50$ ; 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]:  $< \pm 3$

Repeatability:  $< 0.5 \%$

Linearity: 0.25 %

**Environment**

Ambient temperature [ $^{\circ}C$ ]: -30...125, for UL applications: max. 80  $^{\circ}C$

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**

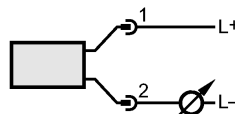
Type of sensor	Microelectromechanical system (MEMS)
Number of measurement axes	1
Housing materials	stainless steel 316L / 1.4404
Type of mounting	set screw
Weight [kg]	0.122

**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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