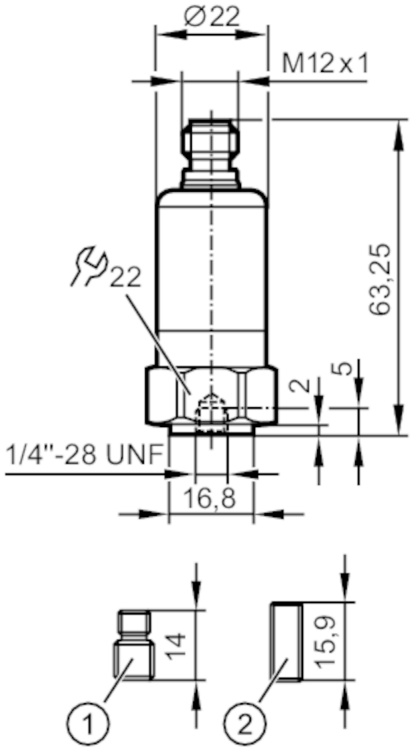
# VTV122

## 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 |

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| | | | |
|---|---|---|---|
| Number of measurement axes | | 1 | |
| **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] | -30...125 | |
| Note on ambient temperature | | UL application: < 80 °C | |
| Storage temperature | [°C] | -30...125 | |
| Protection | | IP 67; IP 68; IP 69K | |
| **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] | 868 | |
| **Mechanical data** | | | |
| Weight | [g] | 123.5 | |
| Type of mounting | | set screw | |
| Materials | | stainless steel (1.4404 / 316L) | |
| 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** | | | |

Connector: 1 x M12; coding: A

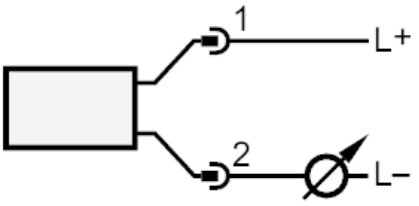


# VTV122

## Vibration transmitter

VIBRATION TRANSMITTER

## Connection




| | |
|---|---|
| 1 | L+ |
| 2 | 4...20 mA |