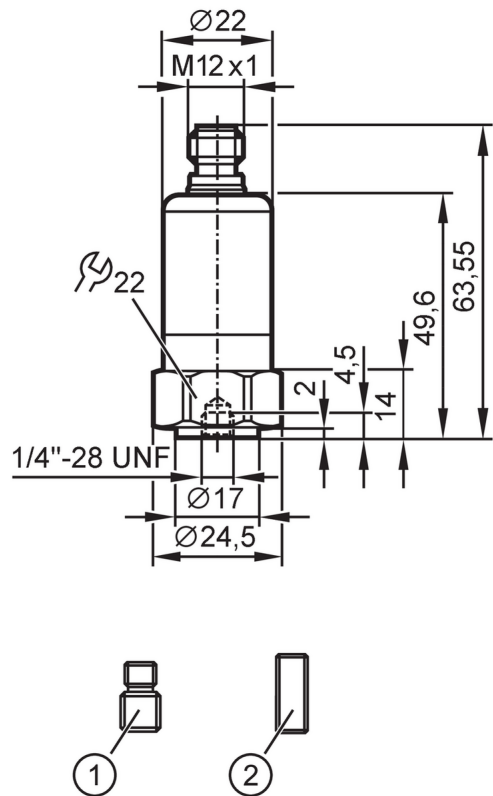


VTV122



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                                  |
| Type of sensor        | Microelectromechanical system (MEMS) |

Inputs / outputs

|                                    |   |
|------------------------------------|---|
| Total number of inputs and outputs | 1 |
|------------------------------------|---|

Outputs

|                            |                                                             |
|----------------------------|-------------------------------------------------------------|
| Analog current output [mA] | 4...20                                                      |
| Max. load [Ω]              | < (U <sub>b</sub> - 9,6 V) x 50; U <sub>b</sub> = 24 V: 720 |

Measuring/setting range

|                                     |               |
|-------------------------------------|---------------|
| Measuring range of vibration [mm/s] | 0...25; (RMS) |
| Frequency range [Hz]                | 10...1000     |
| Number of measurement axes          | 1             |



## Vibration transmitter

VIBRATION TRANSMITTER

| Accuracy / deviations                                                               |                                             |                     |
|-------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| Measuring error<br>[% 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 61000-6-2                                |                     |
|                                                                                     | EN 61000-6-3                                |                     |
| Shock resistance                                                                    | DIN EN 60068-2-27                           | 50 g 11 ms          |
|                                                                                     |                                             | 500 g 1 ms          |
| Vibration resistance                                                                | DIN EN 60068-2-6                            | 20 g / 10...3000 Hz |
| MTTF [years]                                                                        | 868                                         |                     |
| Mechanical data                                                                     |                                             |                     |
| Weight [g]                                                                          | 123.5                                       |                     |
| Type of mounting                                                                    | set screw                                   |                     |
| Material                                                                            | 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; Contacts: 2                                          |                                             |                     |
|  |                                             |                     |

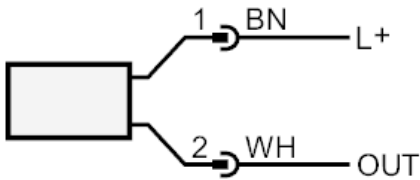
# VTV122



## Vibration transmitter

VIBRATION TRANSMITTER

### Connection



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