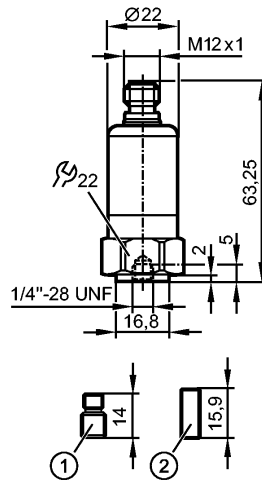


**VTV12A**

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
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
ATEX approval
Group II, category 3D/3G

**Application**

Application	Vibration transmitter Vrms 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 <sub>b</sub> - 9.6 V) x 50; 720 at U <sub>b</sub> = 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]	-20...60
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**VTV12A**

VIBRATION TRANSMITTER

**Diagnostic systems**

Protection	IP 67; when used outside hazardous areas: IP 69K
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**Tests / approvals**

Marking of the unit	<p>Ⓔ II 3D Ex tc IIIC T110°C Dc X</p> <p>Ⓔ II 3G Ex nA IIC T4 Gc X</p>
EMC	<p>EN 61000-4-2 ESD: 4 kV CD / 8 kV AD</p> <p>EN 61000-4-3 HF radiated: 10 V/m</p> <p>EN 61000-4-4 Burst: 2 kV</p> <p>EN 61000-4-6 HF conducted: 10 V</p>
Shock resistance	400 g
MTTF [Years]	864.81

**Mechanical data**

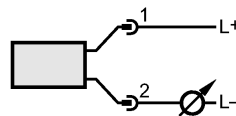
Type of sensor	Microelectromechanical system (MEMS)
Number of measurement axes	1
Housing materials	stainless steel 316L / 1.4404
Type of mounting	set screw
Weight [kg]	0.14

**Electrical connection**

Connection	M12 connector
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**Wiring**

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



**Accessories**

Accessories (included)	Threaded adapter 1/4"-28 UNF / M8 x 1.25 mm; Threaded adapter 1/4"-28 UNF
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**Remarks**

Pack quantity [piece]	1
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