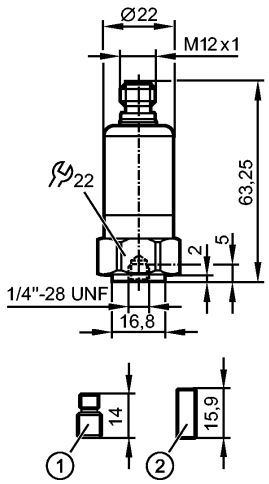
efector800

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

CE

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
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. (Ub - 9.6 V) x 50; 720 at Ub = 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

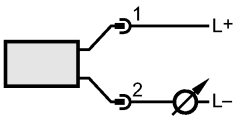
Protection		IP 67; when used outside hazardous areas: IP 69K
Tests / approvals		
Marking of the unit		II 3D Ex tc IIIC T110°C Dc X II 3G Ex nA IIC T4 Gc X
EMC		EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V
Shock resistance		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

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
Remarks		
Pack quantity	[piece]	1