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 This is NOT a direct replacement. Please note programming differences.

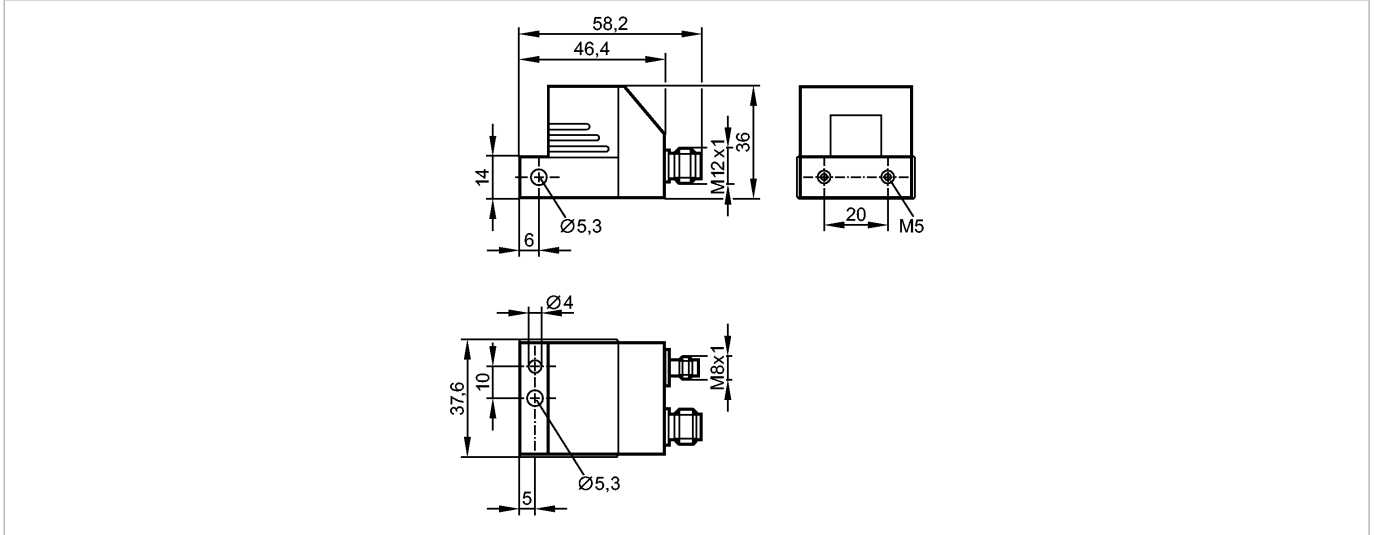
efector800

VE1101



VIBRATION DIAGNOSTIC UNIT

Diagnostic systems



Product characteristics

Vibration sensor

VE

Connection via M12 x 1 and M8 x 1 connectors

Spectral analysis / FFT

Envelope-curve FFT

Peak

V eff RMS

Trend analysis

Application

Application

Vibration monitoring of up to 5 diagnosis values and 2 g-monitors

Electrical data

Operating voltage [V]

10...32 DC

Current consumption [mA]

100 (24 V) plus optional external pulse pick-up

Protection class

III

Measuring / setting range

Measuring principle

capacitive

Measuring range [g]

± 25 **)

Speed range [1/min]

12...1500 / 120...12000

Frequency range [Hz]

0.125...500 / 3...6000 ***)

Minimum measuring time [s]

0.8

Accuracy / deviations

Spectral resolution [Hz]

0.125

Software / programming

History memory

2580 data sets as ring buffer

Environment

Ambient temperature [°C]

-30...75

Protection

IP 69K

Tests / approvals

EMC

IEC 1000-4-2/3/4/6

MTTF [Years]

289

Mechanical data


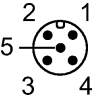
Type of sensor

micromechanical accelerometer

Number of measurement axes

1

VE1101 - Vibration sensor - eclass: 27201406 / 27-20-14-06

Mechanical overload resistance [g]	100
Housing materials	housing: diecast zinc nickel-plated
Weight [kg]	0.229
Electrical connection	
Connection	M12 connector; M8 connector
Wiring	
Plug M8 (RS485 communication)	
	Pin 1: - Pin 2: B Pin 3: - Pin 4: A
	M12: Pin 1: supply + Pin 2: Switching output 2 normally open / closed programmable Pin 3: supply - Pin 4: Switching output 1 normally open / closed programmable Pin 5: rotational speed signal input
Remarks	
Remarks	**) nominal ± 20 ***) depending on the configuration Pin 2 (switching output 2) and pin 4 (switching output 1) can only be programmed in pairs
Pack quantity [piece]	1

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