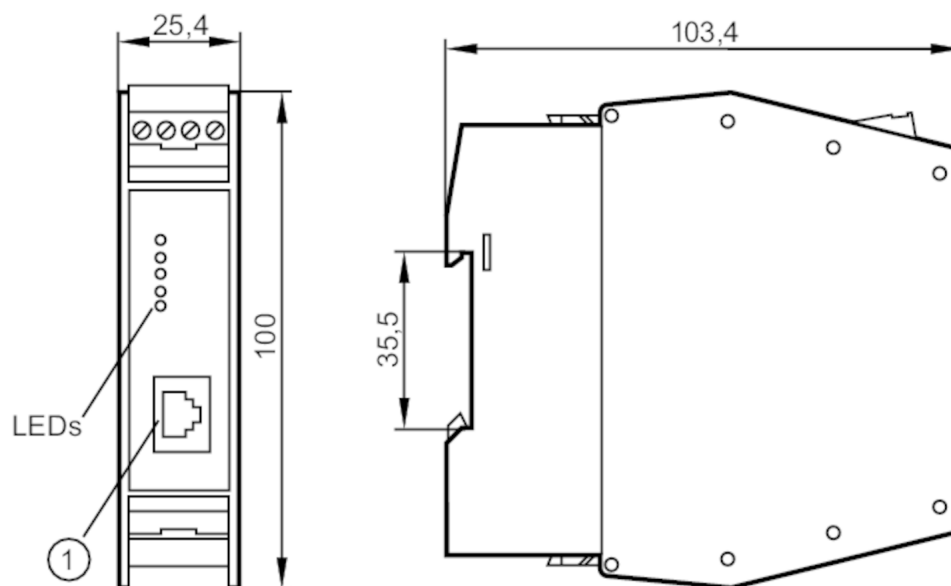


Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS



1 Ethernet interface



Product characteristics

Frequency range	[Hz]	0...12000
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Application

Design	parameter setting via PC software VES004
Application	Counter function

Electrical data

Operating voltage tolerance	[%]	20
Operating voltage	[V]	24 DC; (when using the IEPE input: 24 V + 20%; IEPE = Integrated Electronics Piezo Electric)
Current consumption	[mA]	200; (24 V)
Protection class		III

Inputs / outputs

Total number of inputs and outputs	8; (configurable)
Number of inputs and outputs	Number of analog inputs: 2; Number of digital outputs: 1; Number of analog outputs: 1

Inputs

Number of analog inputs	2
Resolution of analog input	12
Dynamic input - sampling rate [kSamples]	100



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Outputs		
Output signal	switching signal; analog signal	
Number of digital outputs	1	
Output function	normally open / closed; (configurable)	
Max. voltage drop switching output DC [V]	2	
Permanent current rating of switching output DC [mA]	100	
Number of analog outputs	1	
Analog current output [mA]	4...20	
Max. load [Ω]	500	
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Measuring/setting range		
Frequency range [Hz]	0...12000	
Interfaces		
Communication interface	Ethernet	
Protocol	TCP/IP	
Operating conditions		
Ambient temperature [°C]	0...70	
Storage temperature [°C]	0...70	
Protection	IP 20	
Tests / approvals		
EMC	EN 61000-6-2	
	EN 61000-6-3	
	EN 50178	
MTTF [years]	101	
Mechanical data		
Weight [g]	230	
Housing	Plastic housing	
Type of mounting	rail; (TH35/EN60715)	
Dimensions [mm]	100 x 25.4 x 103.4	
Material	PA	
Data memory		
History memory	yes	
Data memory buffered	yes	
Data memory type	ring memory; FIFO	
Real-time clock	yes;	
Memory location	internal	
Memory interval	min. 1 min	
Memory size	881664 data records	



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Accessories	
Accessories (optional)	cross-over Ethernet patch cable for the direct connection to the PC
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Combicon: ; Maximum cable length: 250 m	
Connection	

