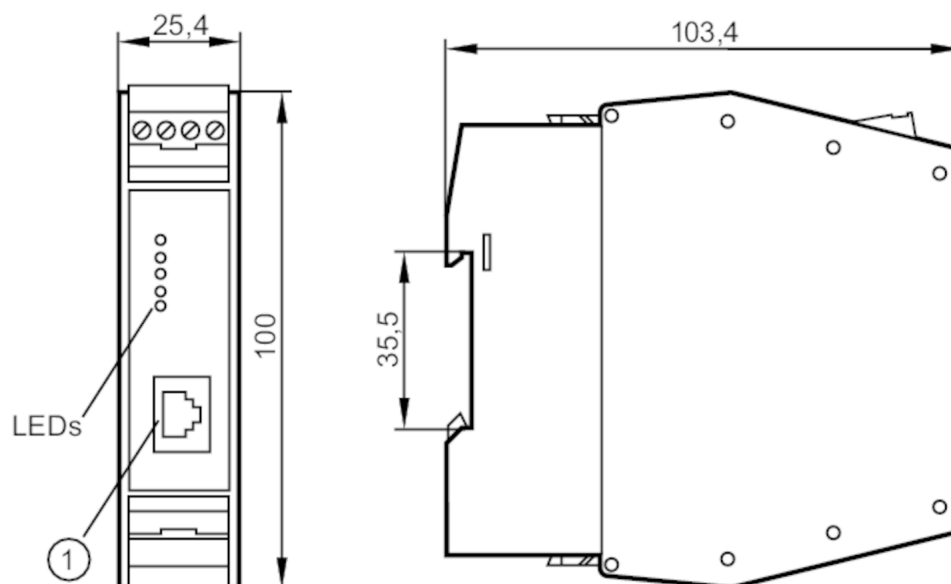


Diagnostic electronics for vibration sensors

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 analogue inputs: 2; Number of digital outputs: 1; Number of analogue outputs: 1

Inputs

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

Outputs

Output signal	switching signal; analogue signal
Number of digital outputs	1
Output function	normally open / normally closed; (parameterisable)



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Max. voltage drop switching output DC	[V]	2
Permanent current rating of switching output DC	[mA]	100
Number of analogue outputs		1
Analogue current output	[mA]	4...20
Max. load	[Ω]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
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]	323.1
Housing		plastic housing
Type of mounting		rail; (TH35/EN60715)
Dimensions	[mm]	100 x 25.4 x 103.4
Materials		PA
Data memories		
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
Accessories		
Accessories (optional)		cross-over Ethernet patch cable for the direct connection to the PC
Remarks		
Pack quantity		1 pcs.



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Electrical connection

COMBICON: ; Maximum cable length: 250 m

Connection

