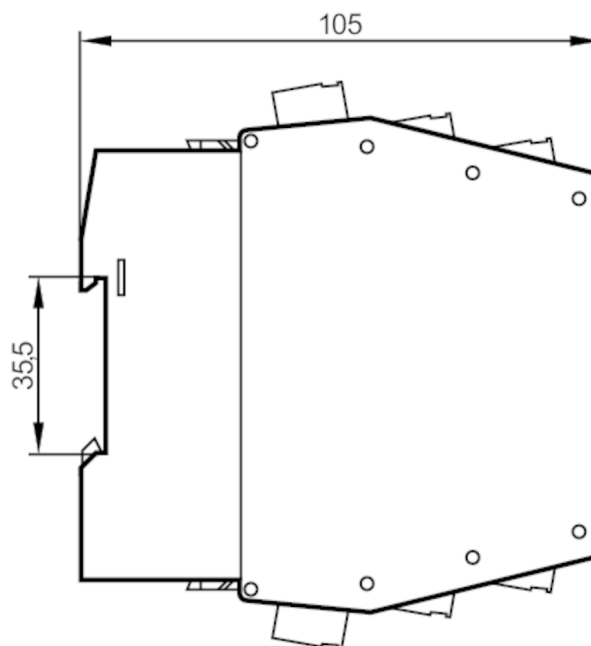
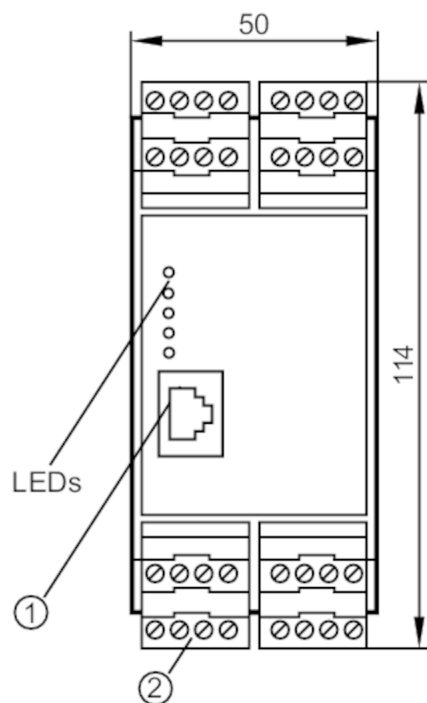




- 1 Ethernet interface
2 COMBICON connector with screw terminals



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 digital inputs: 8; Number of analogue inputs: 2; Number of digital outputs: 2; Number of analogue outputs: 1

Inputs

Total number of inputs	10
Number of digital inputs	8; (configurable)
Input circuit of digital inputs	HTL
Number of analogue inputs	2; (static)
Analogue input (current)	[mA] 0...20



Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Resolution of analogue input	12
Dynamic input - signal	0...10 mA IEPE / 0...20 mA
Dynamic input - resolution [bit]	16
Dynamic input - frequency range [Hz]	0...12000
Dynamic input - sampling rate [kSamples]	100

Outputs

Total number of outputs	2
Output signal	switching signal; analogue signal
Electrical design	PNP
Number of digital outputs	2; (configurable)
Output function	normally open / normally closed; (parameterisable)
Max. voltage drop switching output DC [V]	2
Permanent current rating of switching output DC [mA]	100
Number of analogue outputs	1; (configurable)
Analogue current output [mA]	0...22; (0...10 V)
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
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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]	89	

Mechanical data

Weight [g]	460.6
Housing	plastic housing
Type of mounting	rail; (TH35/EN60715)
Dimensions [mm]	114 x 50 x 105
Materials	PA



Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

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.

Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Electrical connection

COMBICON: ; Maximum cable length: 250 m

Connection

