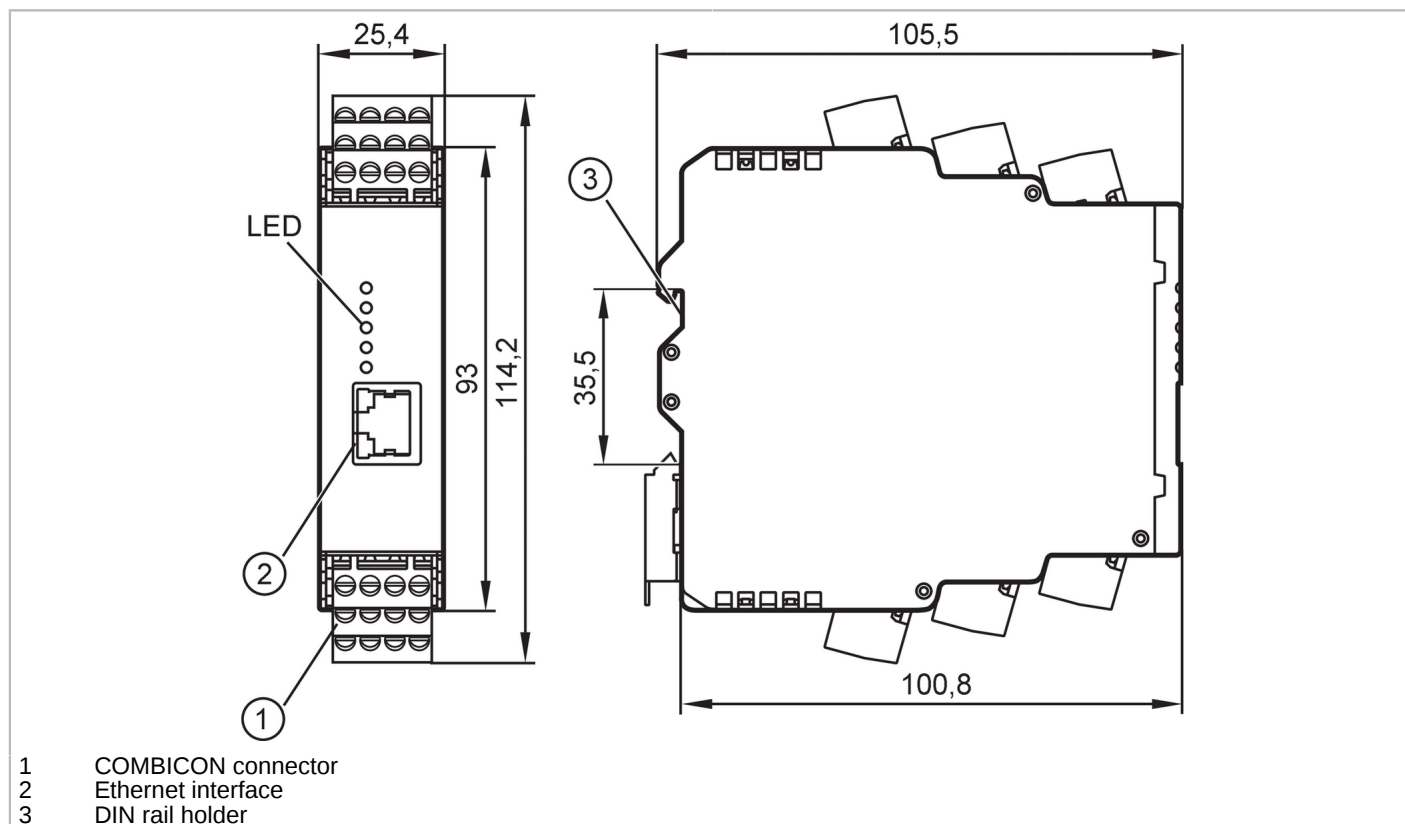




## Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS



### Product characteristics

Frequency range	[Hz]	0.1...12000
Communication interface		Ethernet

### Application

Design	housing for DIN rail mounting, parameter setting via PC software, VES004
Application	continuous vibration monitoring

### 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 DC))
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 dynamic inputs: 4; Number of digital outputs: 2; Number of analogue outputs: 1

### Inputs

Total number of inputs		6
Number of analogue inputs		2
Analogue input (current)	[mA]	4...20
Resolution of analogue input		12



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Number of dynamic inputs	4
Dynamic input - signal	0...10 mA / IEPE / 4...20 mA
Dynamic input - resolution [bit]	16
Dynamic input - frequency range [Hz]	0,1...10000
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]	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]	0.1...12000
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## Interfaces

Communication interface	Ethernet
Transmission rate	10 MBaud; 100 MBaud
Protocol	TCP/IP

## Operating conditions

Ambient temperature [°C]	0...70
Storage temperature [°C]	0...70
Protection	IP 20

## Tests / approvals

EMC	EN IEC 61000-6-2	
	EN IEC 61000-6-4	
MTTF [years]	101	
UL approval	Ta	70 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current (Marking Class 2)

## Mechanical data

Weight [g]	323.1
Type of mounting	mounting on DIN rail; (TH35 (EN 60715))
Dimensions [mm]	114.2 x 25.4 x 105.5



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Materials	PA
<b>Data memories</b>	
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
<b>Accessories</b>	
Accessories (optional)	cross-over Ethernet patch cable for the direct connection to the PC
<b>Remarks</b>	
Pack quantity	1 pcs.

### Electrical connection

COMBICON: ; Maximum cable length: 250 m

#### Connection

