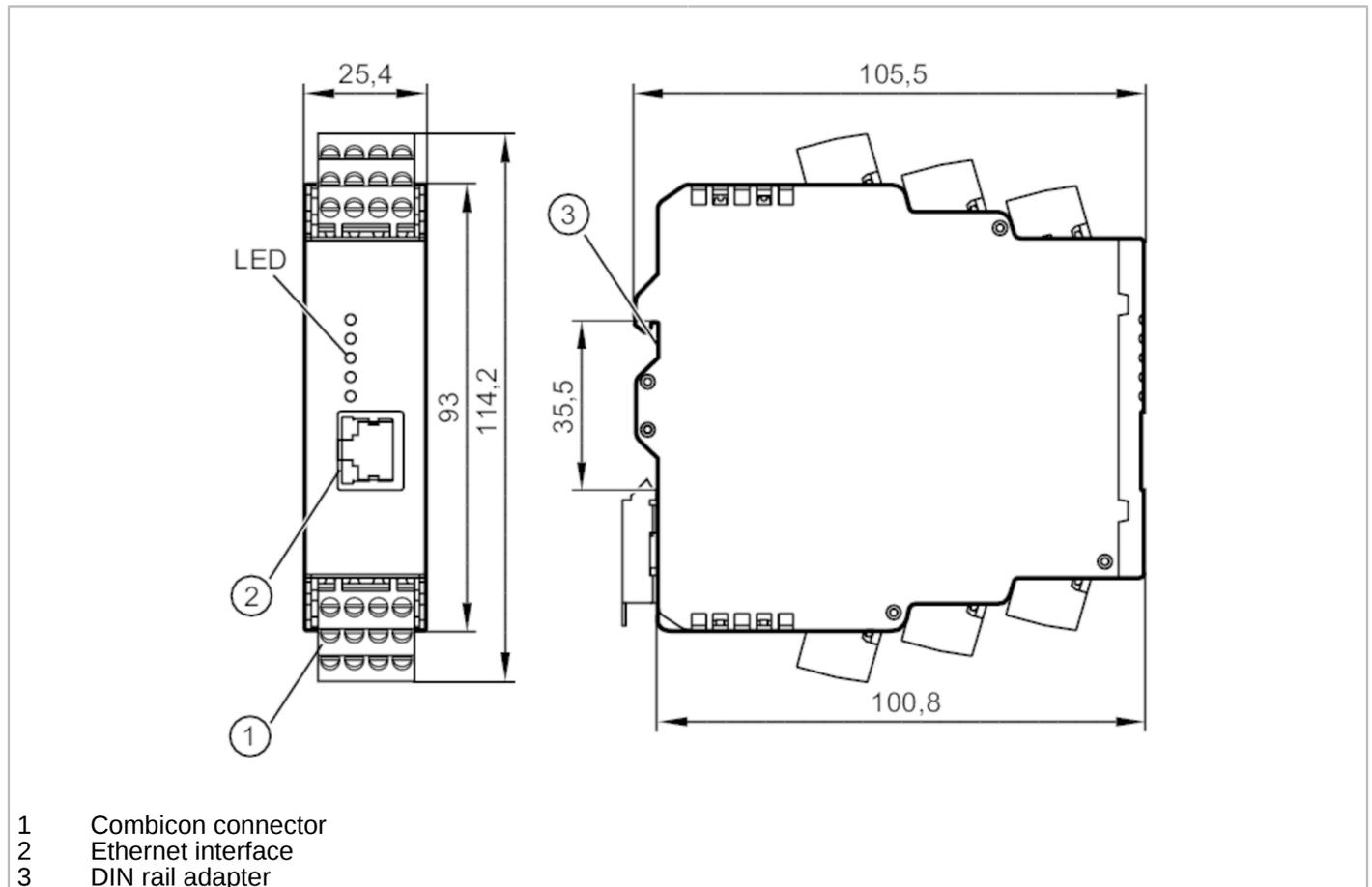


VSE003



Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS



Product characteristics	
Frequency range	[Hz] 0.1...12000
Application	
Design	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 analog inputs: 2; Number of dynamic inputs: 4; Number of digital outputs: 2; Number of analog outputs: 1



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Inputs	
Total number of inputs	6
Number of analog inputs	2
Analog input (current) [mA]	4...20
Resolution of analog input	12
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...12000
Dynamic input - sampling rate [kSamples]	100
Outputs	
Total number of outputs	2
Output signal	switching signal; analog signal
Electrical design	PNP
Number of digital outputs	2; (configurable)
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; (configurable)
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]	0.1...12000
Interfaces	
Communication interface	Ethernet
Transmission rate	10 MBaud; 100 MBaud
Protocol	TCP/IP
Operating conditions	
Ambient temperature [$^{\circ}\text{C}$]	0...70
Storage temperature [$^{\circ}\text{C}$]	0...70
Protection	IP 20

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Tests / approvals		
EMC	EN 61000-6-2	
	EN 61000-6-3	
UL approval	Ta	70 °C
	Enclosure type	1
	voltage supply	Limited Voltage/Current (Marking Class 2)
	File number UL	E251902
Mechanical data		
Weight [g]	327	
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	
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

