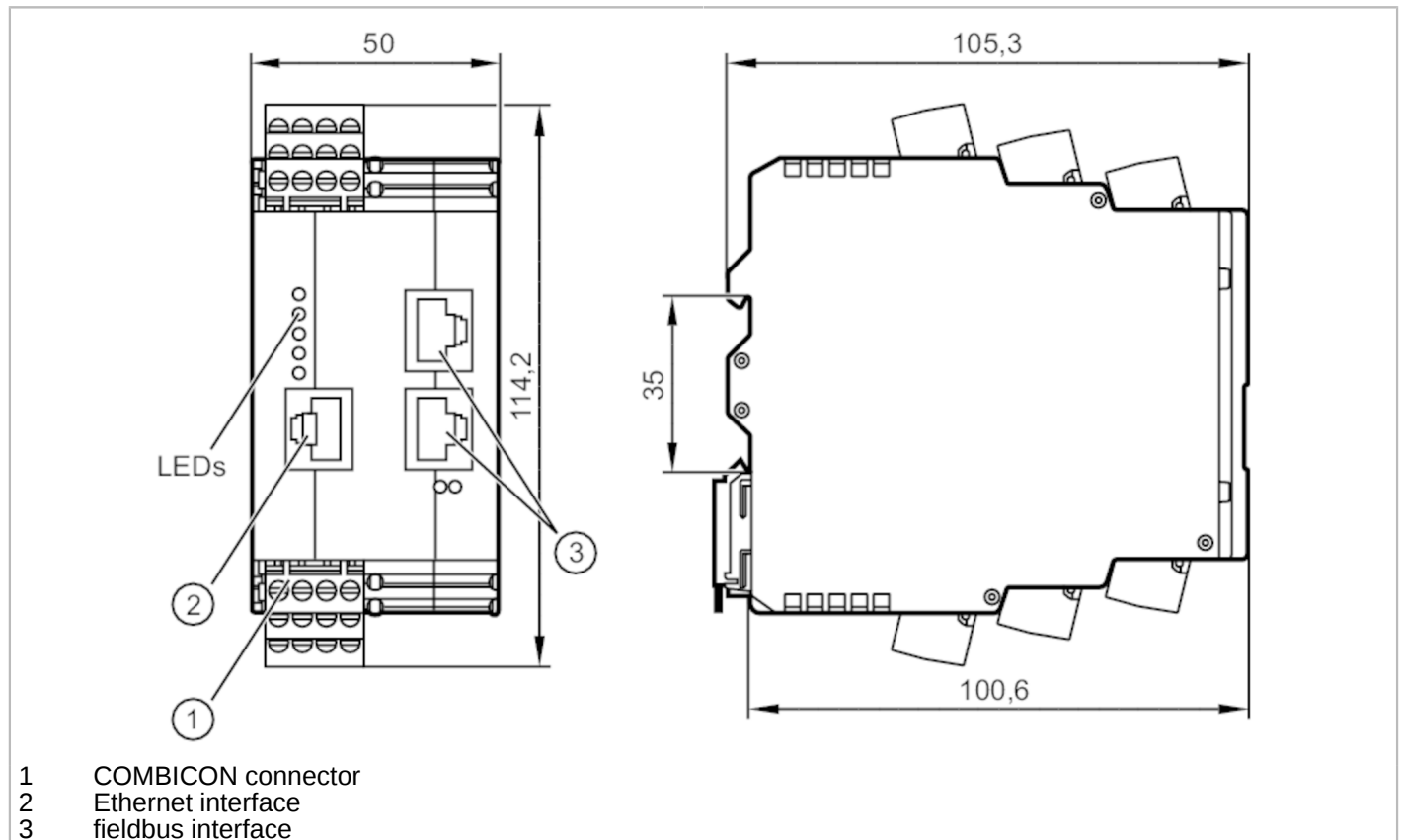


VSE152



Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS



Product characteristics

Frequency range [Hz] 0...12000

Application

Design parameter setting via PC software VES004

Electrical data

Operating voltage tolerance [%] 20
 Operating voltage [V] 24 DC
 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 digital outputs: 2; Number of analogue outputs: 1



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Inputs	
Total number of inputs	6
Number of analogue inputs	2; (static)
Analogue input (current) [mA]	0...20
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
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
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
Transmission rate	10 MBaud; 100 MBaud
Protocol	EtherCAT
Operating conditions	
Ambient temperature [$^{\circ}\text{C}$]	0...60
Storage temperature [$^{\circ}\text{C}$]	0...60
Protection	IP 20

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Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV contact discharge / 15 kV air discharge
	EN 61000-4-3	10 V/m (80...2700 MHz)
	EN 61000-4-4 Burst	4 kV capacitive coupling probe, earthed
	EN 61000-4-6	10 V 0,15...80 MHz
	EN 61000-6-4	industrial environments
	EN 50178	
MTTF	[years]	91
UL approval	Ta	0...60 °C
	Enclosure type	open Type
	voltage supply	Limited Voltage/Current
	UL Approval no.	L001
	File number UL	E251902
Mechanical data		
Weight	[g]	304.4
Housing		plastic housing
Type of mounting		rail; (TH35/EN60715)
Dimensions	[mm]	114.2 x 50 x 105.3
Materials		PA
Data memories		
With real-time clock		yes
Real-time clock		yes;
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:

Connection

