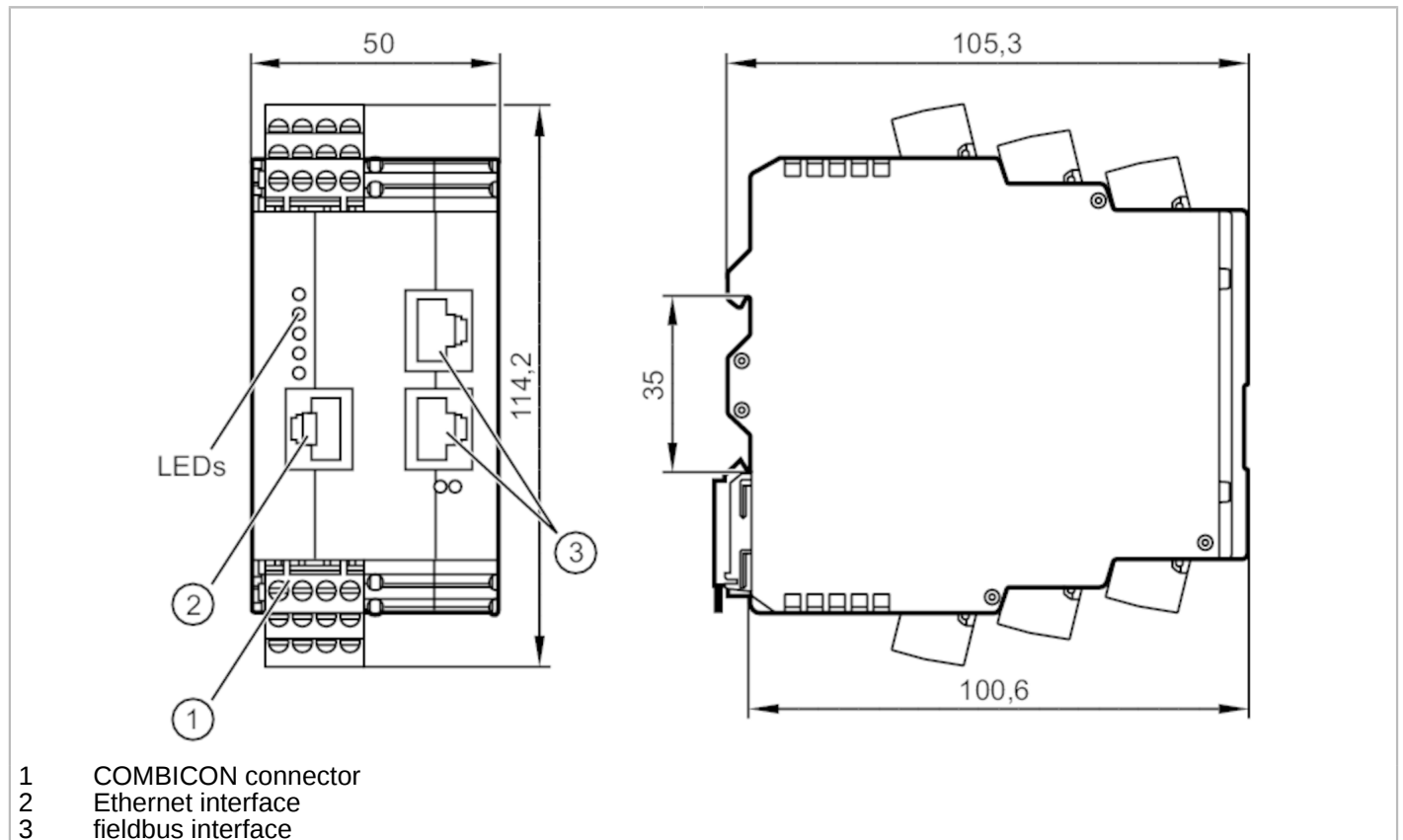


VSE150



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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DIAGNOSTIC ELECTRONICS

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
Protocol		PROFINET IO
Operating conditions		
Ambient temperature [°C]		0...60
Storage temperature [°C]		0...60
Protection		IP 20
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	UL Approval no.	L001

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Mechanical data	
Weight [g]	307
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.
Electrical connection	
COMBICON:	
Connection	

