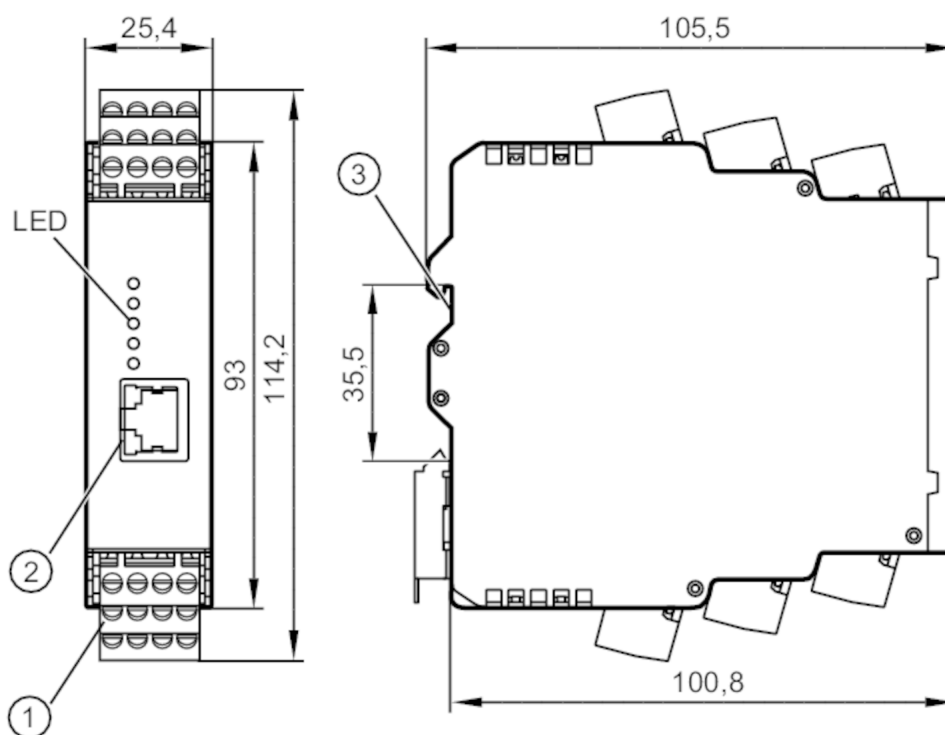


Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS



- 1 COMBICON connector
- 2 Ethernet interface
- 3 DIN rail adapter



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)
------------------------------------	-------------------

Inputs

Number of analogue inputs	2
Resolution of analogue input	12
Dynamic input - sampling rate	100
[kSamples]	



Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Outputs		
Output signal	switching signal; analogue signal	
Number of digital outputs	1	
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	
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...12000	
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]	101	
Mechanical data		
Weight [g]	238.4	
Housing	plastic housing	
Type of mounting	rail	
Dimensions [mm]	100 x 25.4 x 103.4	
Materials	PA	
Data memories		
History memory	yes	
Data memory buffered	yes	
Data memory type	ring memory; FIFO	
With real-time clock	yes	
Memory location	internal	
Memory interval	min. 1 min	
Memory size	881664 data records	



Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Accessories	
Accessories (optional)	cross-over Ethernet patch cable for the direct connection to the PC
Remarks	
Pack quantity	1 pcs.
Electrical connection	
COMBICON: ; Maximum cable length: 250 m	
Connection	

