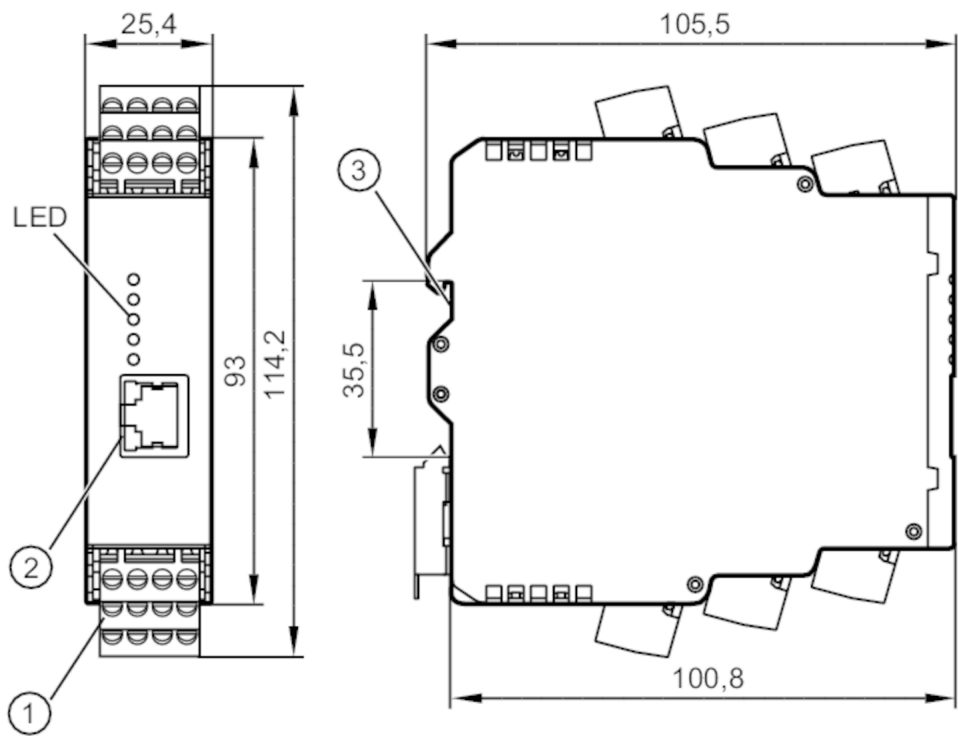




Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS



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



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)
Inputs	
Dynamic inputs	
Number	4
Connection	S1...S4



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DIAGNOSTIC ELECTRONICS

Analog input	function type	Current, dynamic
	input range	0...10 mA / IEPE / 4...20 mA
	input frequency [Hz]	0,1...12000
	Resolution	16 bit
	sampling rate	100 kSamples
Process value inputs, analog / digital		
Number	2	
Connection	IN1, IN2	
Digital input	function type	pulse
	Circuit	HTL
	Frequency [Hz]	0,1...100000
Analog input	function type	Current
	input range [mA]	4...20
	Resolution	12 bit
Outputs		
Max. load	[Ω]	500
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Multi-function outputs, analog / digital		
Number	1	
Connection	OU1	
Digital output	Electrical design	PNP
	Output function	normally open / normally closed (configurable)
Analog output	function type	Current
	output range [mA]	4...20
Digital outputs		
Number	1	
Connection	OU2	
Digital output	Electrical design	PNP
	Output function	normally open / normally closed (configurable)
Interfaces		
Communication interface	Ethernet	
Number of Ethernet interfaces	1	
Ethernet		
Transmission standard	10Base-T; 100Base-TX	
Transmission rate	10/100 MBit/s	
Type of connector	RJ45	
Protocol	TCP/IP	
Factory settings	IP address: 192.168.0.1	
	port 3321	
Operating conditions		
Ambient temperature	[°C]	0...70



Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Storage temperature	[°C]	0...70
Protection		IP 20
Tests / approvals		
EMC		EN IEC 61000-6-2
		EN IEC 61000-6-4
MTTF	[years]	89
Mechanical data		
Weight	[g]	327
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	114.2 x 25.4 x 105.5
Material		Housing: 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.



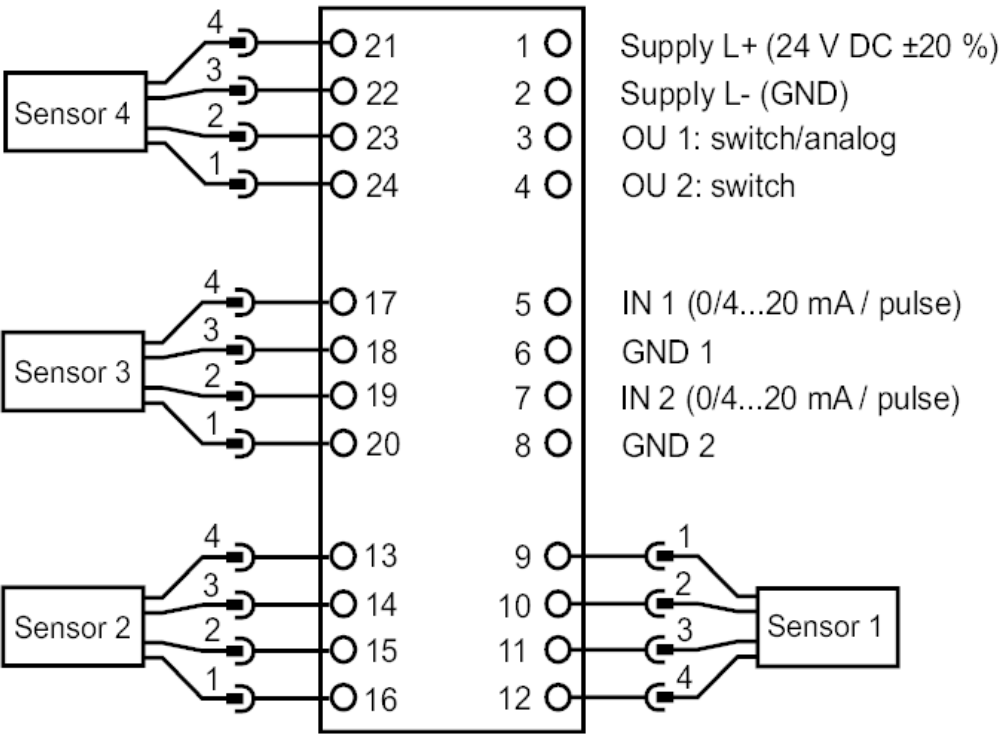
Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Electrical connection

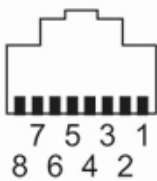
Combicon: ; Maximum cable length: 250 m

Connection



Electrical connection - Ethernet

Connector: RJ45



1	TxD +
2	TxD -
3	RxD +
4	n.c.
5	n.c.
6	RxD -
7	n.c.
8	n.c.