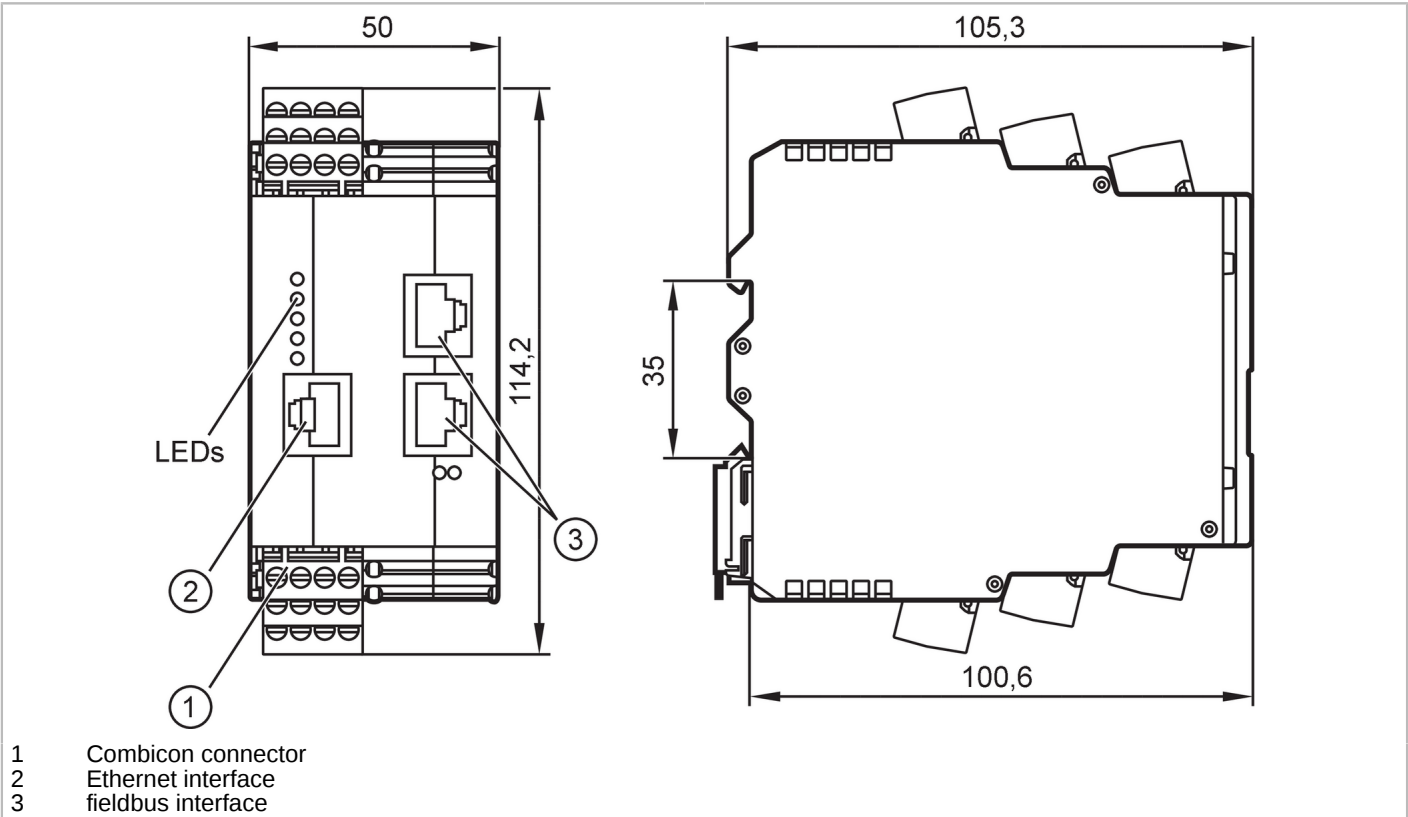




Application		
Design	housing for DIN rail mounting, parameter setting via PC software, VES004	
Application	continuous vibration monitoring	
Electrical data		
Operating voltage tolerance	[%]	20
Operating voltage	[V]	24 DC; (when using the IEPE input: 24 V + 20%; IEPE = Integrated Electronics Piezo Electric)
Current consumption	[mA]	200; (24 V)
Protection class		III
Inputs / outputs		
Total number of inputs and outputs	8; (configurable)	
Inputs		
Dynamic inputs		
Number	4	
Connection	S1...S4	
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	



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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	
Protocol	Modbus TCP	
Note on interfaces	CC-C (Conformance Class C) (IRT switch)	
	Netload Class III	
	SNMP (Simple Network Management Protocol)	
	MRP (Media Redundancy Protocol)	
	Supported network topologies: line	
	ring	
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	
Modbus		
Transmission standard	100Base-TX	
Transmission rate	100 MBit/s	



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Factory settings		IP address: 0.0.0.0	
		subnet mask: 0.0.0.0	
		gateway IP address: 0.0.0.0	
		MAC address: see type label	
Operating conditions			
Ambient temperature		[°C]	0...60
Storage temperature		[°C]	0...60
Protection			IP 20
Tests / approvals			
EMC		EN IEC 61000-6-2	
		EN IEC 61000-6-4	
UL approval		Ta	60 °C
		Enclosure type	open type
		voltage supply	Limited Voltage/Current
		UL approval number	L001
		File number UL	E251902
Mechanical data			
Weight		[g]	401.7
Type of mounting			Mounting on DIN rail; (TH35 (EN 60715))
Dimensions		[mm]	114.2 x 50 x 105.3
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.



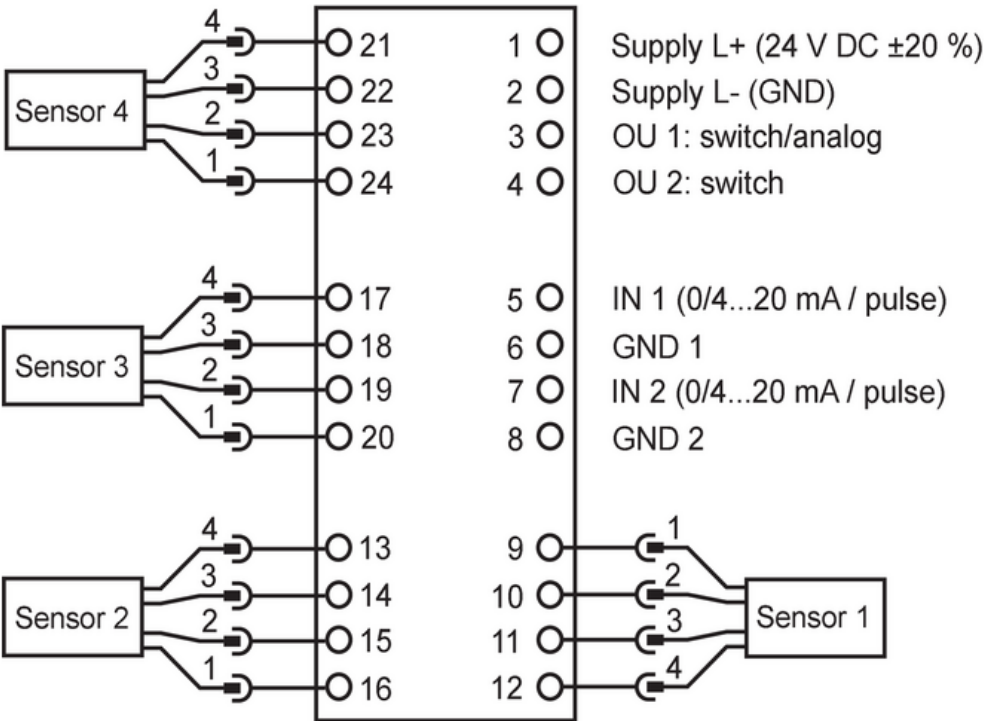
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Electrical connection

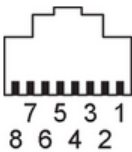
Combicon: ; Maximum cable length: 250 m

Connection



Electrical connection - Ethernet

Connector: RJ45; Contacts: 4



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