

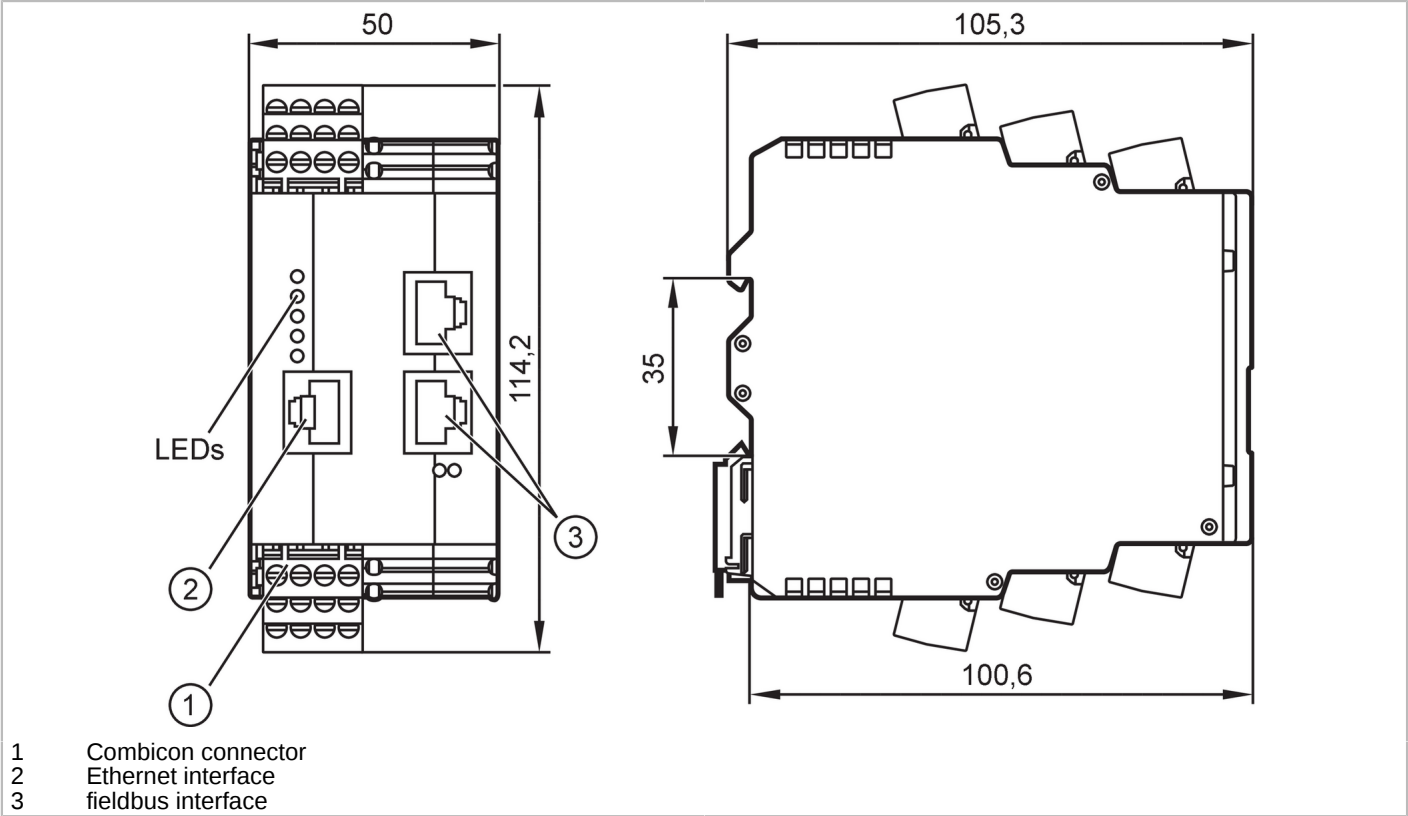


Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Article to be discontinued

Discontinuation date: 03/31/2027



- 1 Combicon connector
- 2 Ethernet interface
- 3 fieldbus interface



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



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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	
Factory settings	IP address: 192.168.0.1	
Ethernet - EtherCAT		
Transmission standard	100Base-TX	
Transmission rate	100 MBit/s	
Protocol	EtherCAT	



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DIAGNOSTIC ELECTRONICS

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	
Ethernet Config		
Protocol	TCP/IP	
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	
MTTF	[years]	91
UL approval	Ta	0...60 °C
	Enclosure type	open Type
	voltage supply	Limited Voltage/Current
	UL approval number	L001
Mechanical data		
Weight	[g]	413.2
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.	



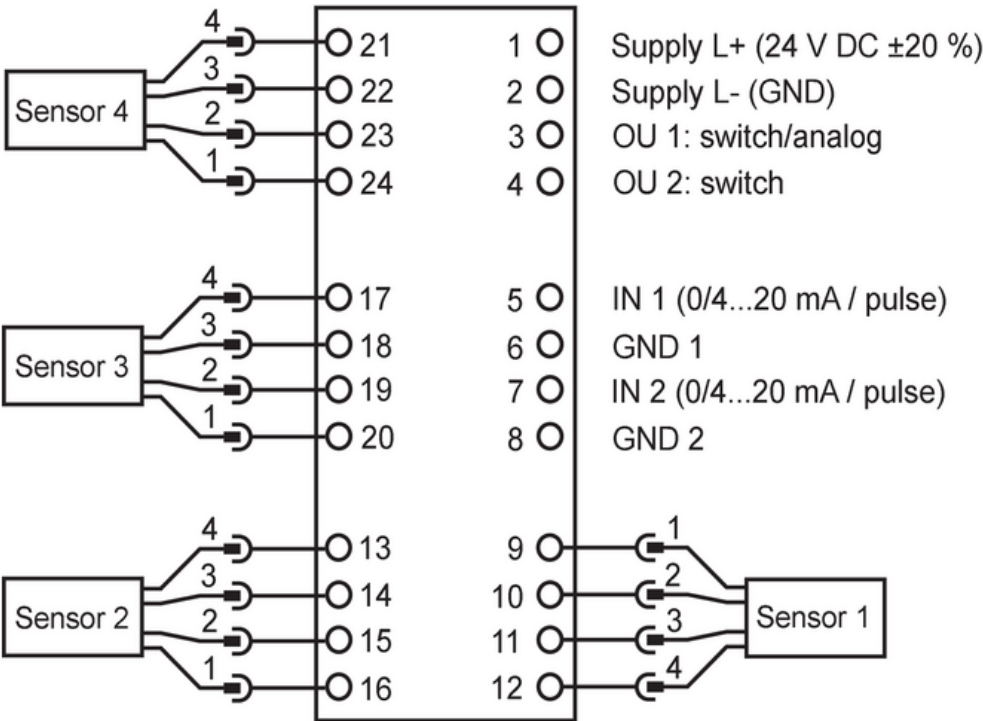
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Electrical connection

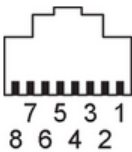
Combicon: ; Maximum cable length: 250 m

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.