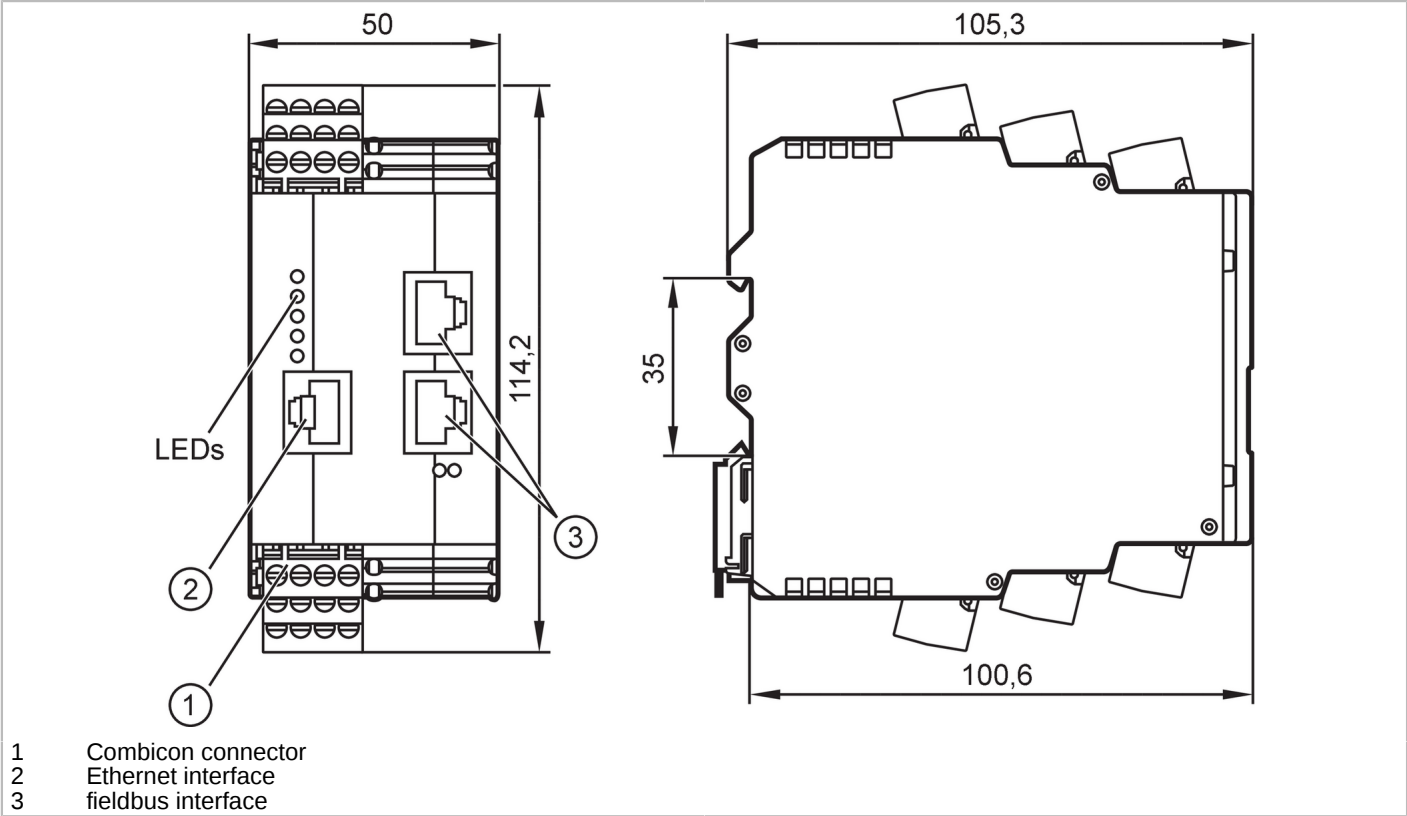




Article to be discontinued
Discontinuation date: 03/31/2026

Alternative articles: VSE163
When selecting an alternative article and accessories please note that technical data may differ!



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



Diagnostic electronics for vibration sensors

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	
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	



Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Protocol	TCP/IP	
Factory settings	IP address: 192.168.0.1	
Modbus		
Transmission standard	100Base-TX	
Transmission rate	100 MBit/s	
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	
Modbus TCP		
Protocol	Modbus TCP	
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]	414.6
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.	



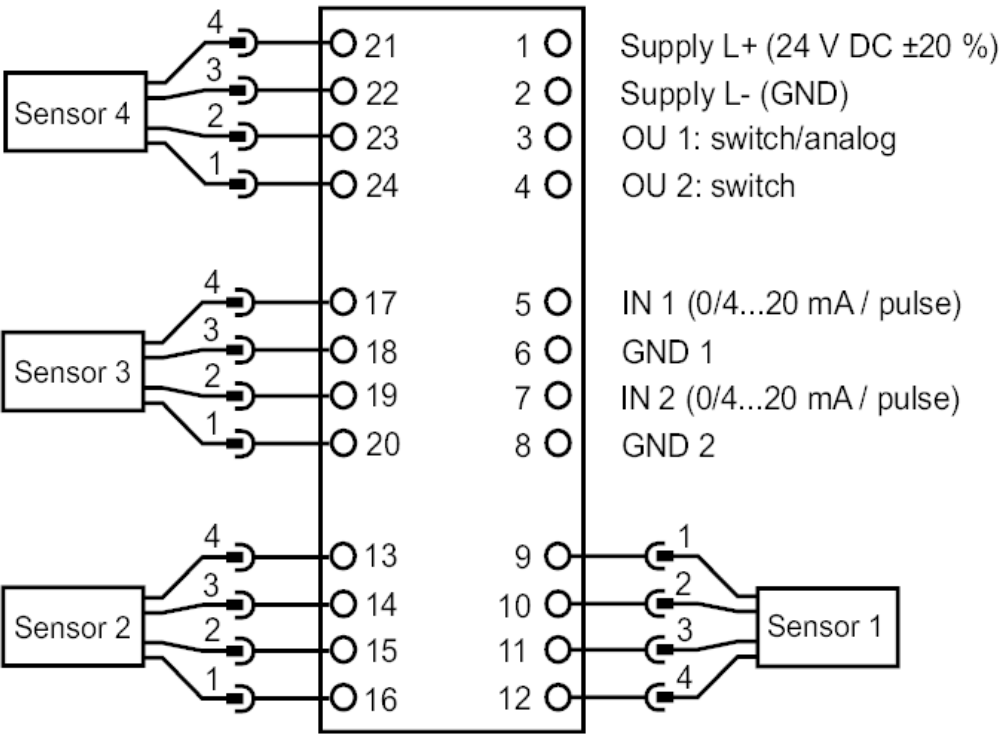
Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS

Electrical connection

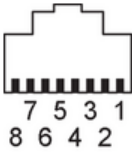
Combicon: ; Maximum cable length: 250 m

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.