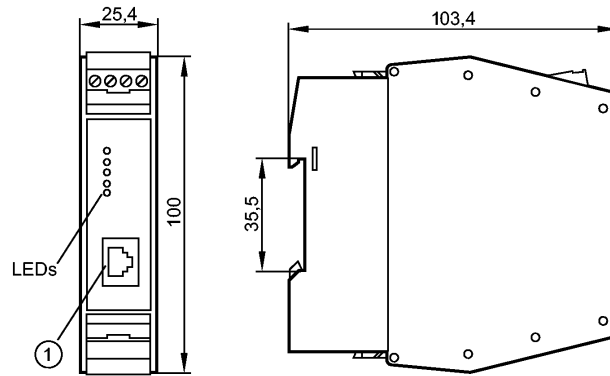


**VSE002**

DIAGNOSTIC ELECTRONICS

Diagnostic systems



1: Ethernet interface



**Product characteristics**

Diagnostic electronics for vibration sensors

VSE

Plastic housing

Combicon connection

Integrated history memory with real-time clock

Counter function

TCP/IP Ethernet interface

Active wire break detection and self-test (only MEMS) of the connected acceleration sensors

Parameter setting via PC software VES004

**Electrical data**

Operating voltage	[V]	24 DC ± 20 % *)
Current consumption	[mA]	200 (24 V)
Protection class		III

**Inputs / outputs**

Circuit	4 inputs dynamic, can be configured individually: 0...10 mA, IEPE or 0/4...20 mA 2 inputs static: 0/4...20 mA or pulse (electrically isolated) 2 digital alarm outputs (PNP 100 mA) or 1 digital output and 1 analogue output 0/4...20/22 mA
Inputs / outputs total	8, configurable
Dynamic (number)	4

**Inputs**

Dynamic input	0...10 mA, IEPE or 0/4...20 mA
Analogue analog	2
Resolution	[Bit] 12

**Outputs**

digital	
Output	OU 1 = switching output or analogue output / OU 2 = switching output
Output function	normally open / closed programmable
Max. current load per output	[mA] 100
Voltage drop	[V] < 2
Short-circuit protection	yes (non-latching)

**VSE002**

DIAGNOSTIC ELECTRONICS

Diagnostic systems

Overload protection		yes
analog		
current output	[mA]	0/4...20/22
Max. load	[Ω]	500

Measuring / setting range		
Frequency range	[Hz]	0 / 2 / 10...12000
Sampling rate	[kSamples]	≤ 100

Software / programming	
History memory	Ring memory, FIFO (max. 881664 values)

Interfaces	
Data interface	Ethernet TCP/IP

Environment		
Ambient temperature	[°C]	0...70
Storage temperature	[°C]	0...70
Protection		IP 20

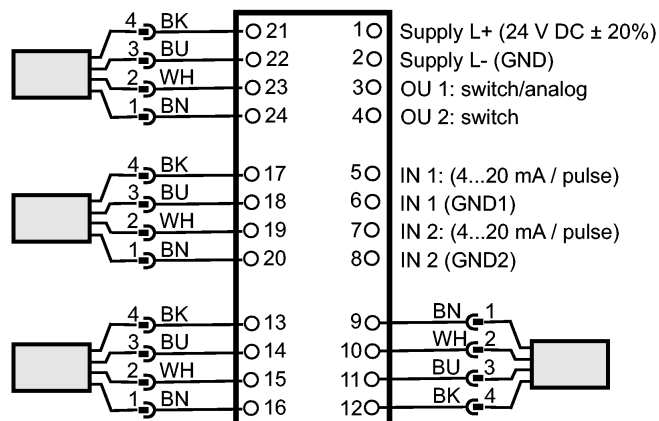
Tests / approvals		
EMC	EN 61000-6-2 EN 61000-6-3 EN 50178	
MTTF	[Years]	101

Mechanical data		
Max. length of the sensor cable [m]	250	
Housing materials	PA	
Type of mounting	Mounting on DIN rail	
Weight	[kg]	0.238

Electrical connection	
Connection	Combicon

**Wiring**

- 1: L+ when a VSP acceleration sensor or an IEPE sensor 24 V DC ± 20% is used
- 9...24: Sensor-specific see operating instructions



Accessories	
Accessories (optional)	crosslink cable for the direct connection of the diagnostic electronics VSExxx to the PC Ethernet interface

Remarks		
Remarks	*) 24 V + 20% if an IEPE input is used (Integrated Electronics Piezo Electric)	
Pack quantity	[piece]	1



**VSE002**

DIAGNOSTIC ELECTRONICS

**Diagnostic systems**