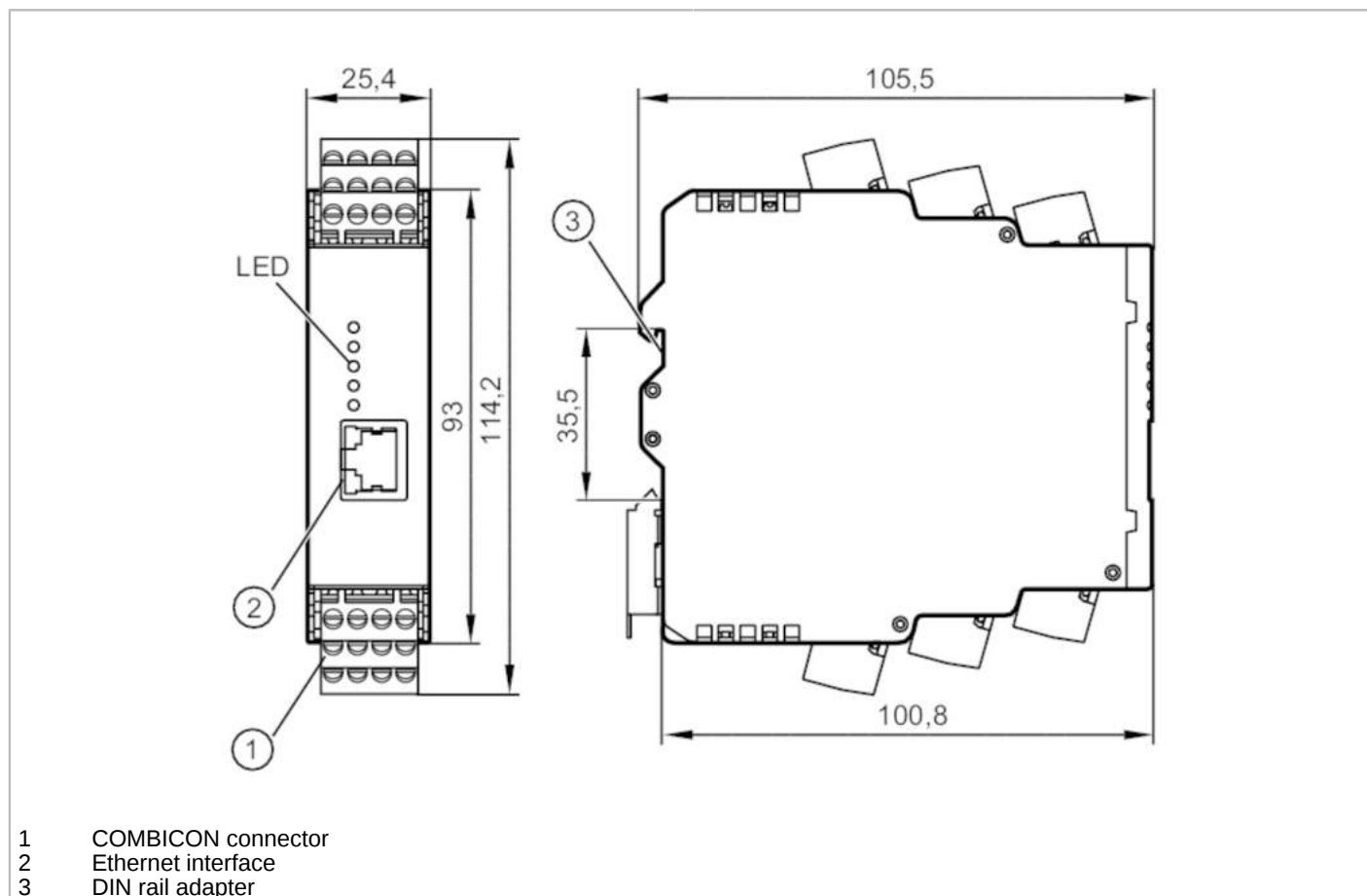




Diagnostic electronics for vibration sensors

DIAGNOSTIC ELECTRONICS



| Product characteristics | |
|------------------------------------|---|
| Frequency range [Hz] | 0.1...12000 |
| Communication interface | Ethernet |
| Application | |
| Design | 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) |
| Number of inputs and outputs | Number of analogue inputs: 2; number of dynamic inputs: 4; Number of digital outputs: 2; Number of analogue outputs: 1 |
| Inputs | |
| Total number of inputs | 6 |
| Number of analogue inputs | 2 |



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| | | |
|---------------------------------|------------|------------------------------|
| Analogue input (current) | [mA] | 4...20 |
| Resolution of analogue input | | 12 |
| Number of dynamic inputs | | 4 |
| Dynamic input - signal | | 0...10 mA / IEPE / 4...20 mA |
| Dynamic input - resolution | [bit] | 16 |
| Dynamic input - frequency range | [Hz] | 0,1...12000 |
| Dynamic input - sampling rate | [kSamples] | 100 |

| Outputs | | |
|---|------|--|
| Total number of outputs | | 2 |
| Output signal | | switching signal; analogue signal |
| Electrical design | | PNP |
| Number of digital outputs | | 2; (configurable) |
| Output function | | normally open / normally closed; (parameterisable) |
| Max. voltage drop switching output DC | [V] | 2 |
| Permanent current rating of switching output DC | [mA] | 100 |
| Number of analogue outputs | | 1; (configurable) |
| Analogue current output | [mA] | 4...20 |
| Max. load | [Ω] | 500 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |

| Measuring/setting range | | |
|-------------------------|------|-------------|
| Frequency range | [Hz] | 0.1...12000 |

| Interfaces | | |
|-------------------------|--|---------------------|
| Communication interface | | Ethernet |
| Transmission rate | | 10 MBaud; 100 MBaud |
| Protocol | | TCP/IP |

| Operating conditions | | |
|----------------------|------|--------|
| Ambient temperature | [°C] | 0...70 |
| Storage temperature | [°C] | 0...70 |
| Protection | | IP 20 |

| Tests / approvals | | |
|-------------------|----------------|---|
| EMC | | EN IEC 61000-6-2 |
| | | EN IEC 61000-6-4 |
| MTTF | [years] | 101 |
| UL approval | Ta | 70 °C |
| | Enclosure type | Type 1 |
| | power supply | Limited Voltage/Current (Marking Class 2) |

| Mechanical data | | |
|-----------------|-----|-------|
| Weight | [g] | 323.1 |



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| | |
|------------------------|---|
| Housing | plastic housing |
| Type of mounting | rail; (TH35/EN60715) |
| Dimensions [mm] | 100 x 25.4 x 103.4 |
| Materials | PA |
| Data memories | |
| 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. |

Electrical connection

COMBICON: ; Maximum cable length: 250 m

Connection

