VBR1/D0-3V

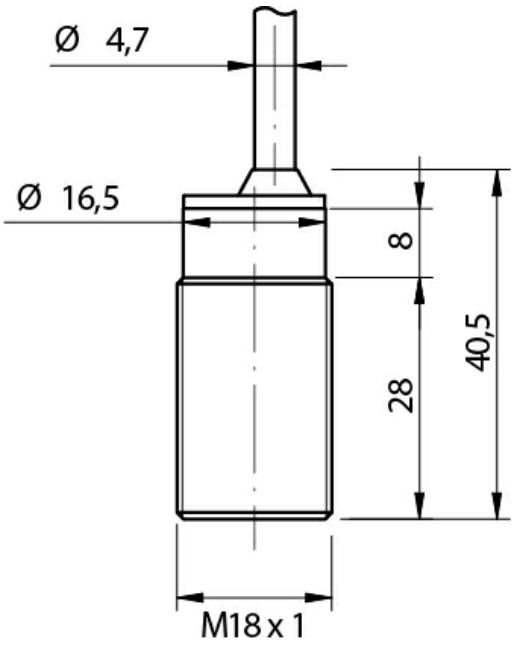
VBR1



Indicative image

VIBRATIONS AND INCLINATION SENSOR

- M18 housing
- AISI316L stainless steel housing(front included)
- IP67 protection degree



CE

Detection properties

Operative range	± 2g; ± 4g; ± 8g; ± 16g (selectable)
Resolution	15,62mg @ ± 2g 31,25mg @ ± 4g 62,50mg @ ± 8g 125mg @ ±16g
Detection Axes	3 (X, Y, Z)

Application

Technology	MEMS

Outputs

Output type	Digital + Analogue (I/V selectable)
Output Function	Vibration amplitude
Digital Output	RS485 57600 baud rate - 1 bit stop - no parity
Voltage Analogue Output	0...5V / 0...10V (selectable)
Current Analogue Output	4...20mA / 0...20mA / 0...24mA (selectable)

Electrical data

Operating Voltage	19,2 ... 28,8 Vdc
LED indicators	Green: Run mode Yellow: writing/programming memory Blue: transit of RS485 packet data Red: Interrupt active

Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Power Consumption	< 1 W
Frequency Range	0 ... 400Hz
Digital Resolution	16 bit @RS485 (complementary to 2)
Analogue Resolution	12 bit
Load Resistor (Voltage)	1kΩ ... 1MΩ
Load Resistor (Current)	100 ... 500Ω

Mechanical data

Dimensions	M18
Housing Material	Stainless steel AISI316L (body) Grilamid (cable exit)
Connections	pigtail 200mm + M12- 5 poles
Active Head Material	Stainless steel AISI316L
Operating temperature	-25°C ...+70°C
Storage temperature	-30°C ... + 90°C (without ice)
humidity	< 80% (without condensation)

Test/Approvals

Approvals	CE
Degree of protection	IP67

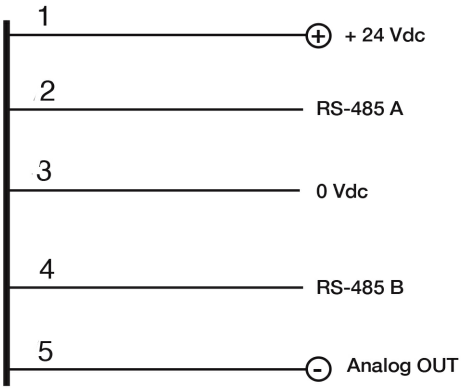
Accessories

Supplied Accessories	2 x nuts

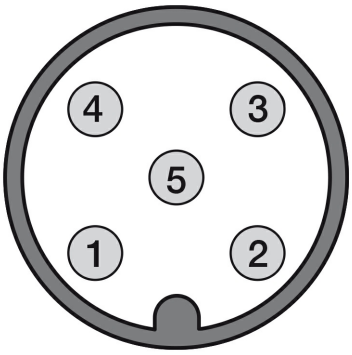
Generical Data

Dimensions	M18
Operating Temperature	-25°C ...+70°C
Humidity	< 80% (without condensation)
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



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date of printing
28/04/2022 23:36:43