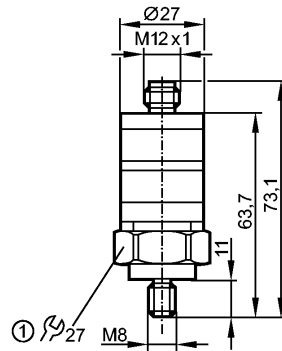


VKV021

VIBRATION MONITOR

Diagnostic systems



1: tightening torque 15 Nm
M8 standard thread, 1.25 mm pitch

Made in Germany



Product characteristics

Vibration monitor
VK
Connection via M12 connector
Vibration monitor to DIN ISO 10816
Measuring range RMS: 0...25 mm/s
Switching outputs: normally closed and analogue 4...20 mA

Application

Application	Vibration monitor Vrms to DIN ISO 10816
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Electrical data

Operating voltage [V]	18...32 DC
Current consumption [mA]	< 50
Protection class	III

Inputs / outputs

Circuit	1 x normally closed DC PNP / 1 x analogue 4...20mA
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Outputs

Voltage drop [V]	< 2
analogue current output [mA]	4...20
Max. load [Ω]	< 500

Measuring / setting range

Delay [s]	1...60
Setting range [[mm/s]]	0...25 RMS
Frequency range [Hz]	10...1000

Accuracy / deviations

Accuracy [% of the final value]	< ± 5
Switch point accuracy	< ±4
Repeatability	< 0.5 %
Linearity	0.25 %

Environment

Ambient temperature [°C]	-30...125, for UL applications: max. 80 °C
Protection	IP 67

Tests / approvals

VKV021

VIBRATION MONITOR

Diagnostic systems

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V
MTTF [Years]	510

Mechanical data

Shock resistance	400 g
Housing materials	PBT (Pocan); PC (Makrolon); FPM (Viton); stainless steel 316L / 1.4404
Weight [kg]	0.116

Displays / operating elements

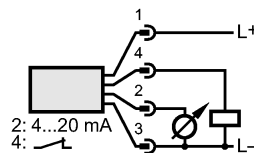
Display	Operation LED green Switching status LED yellow
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Electrical connection

Connection	M12 connector
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Wiring

- 1: L+
- 2: 4...20 mA
- 3: GND
- 4: digital output (normally closed)



Remarks

Pack quantity [piece]	1
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