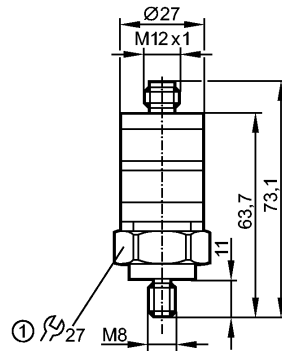


VKV022

VIBRATION MONITOR

Diagnostic systems



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

Made in Germany



Product characteristics

Vibration sensor	
VK	
Connection via M12 connector	
Vibration monitor to DIN ISO 10816	
Measuring range RMS: 0...50 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

Digital	
Output function	1 x Öffner DC PNP
Max. current load per output [mA]	500
Voltage drop [V]	< 2
Short-circuit protection	pulsed
Overload protection	yes
analogue	
current output [mA]	4...20
Max. load [Ω]	< 500

Measuring / setting range

Delay [s]	1...60
Setting range [[mm/s]]	0...50 RMS
Frequency range [Hz]	10...1000

Accuracy / deviations

Accuracy	< ± 5
Switch point accuracy	< ±4
Repeatability	< 0.5 %

VKV022

VIBRATION MONITOR

Diagnostic systems

Non-linearity [in % of the span]	< ± 0.25
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Environment

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

Tests / approvals

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]	0.113

Displays / operating elements

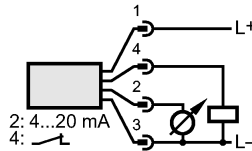
Display	Operation LED green Switching status LED yellow
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Electrical connection

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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