

Bearing-Vibration Monitor

Emerson's Dual-Channel Bearing-Vibration Monitor is designed for small and low channel applications such as small steam, gas, and hydro turbines, and such as compressors, pumps, and fans to measure absolute bearing vibration signals. Measurement settings, alarms, and provided outputs are field configurable via software.



Shown here is one product option. Other options have slightly different sockets and wiring.

Measurement Performance

Sensor Input Type	Seismic Sensors of Type PR9268	
Measurement Range	Freely selectable by means of configuration software according to the measuring range of the applied sensors	
Frequency Range:	High-Pass Filter	5 / 10 / 15 Hz
	Low-Pass Filter	50 to 1500 Hz
Connection Type	"Harting" socket	

Environmental

Shock Limit	20 g pk	
Temperature Range	-20 to 65°C (-4 to 149°F)	
Sealing	IP65	
Agency Ratings	CE	

Mechanical

Case Material / Weight	Aluminum, stainless / ~1 300 g (45.8 oz.)	
Mounting	Wall mount	

Electrical

Supply Voltage	Nominal +24 VDC	
	Permissible Voltage Range	+18 to +31.2 VDC
Power Consumption	max. 6 W	
Buffered Out: (2x)	Connection	Available at Pins (Cage Terminal)
	Voltage Range	±5.0 VDC
	Accuracy	± 2.5%
Current Out: (2x)	Current Range	0/4 to 20 mA (20 to 4/0 mA)
		Galvanically separated
		Open circuit and short-circuit proof
	Maximum Burden	500 Ohm

CE

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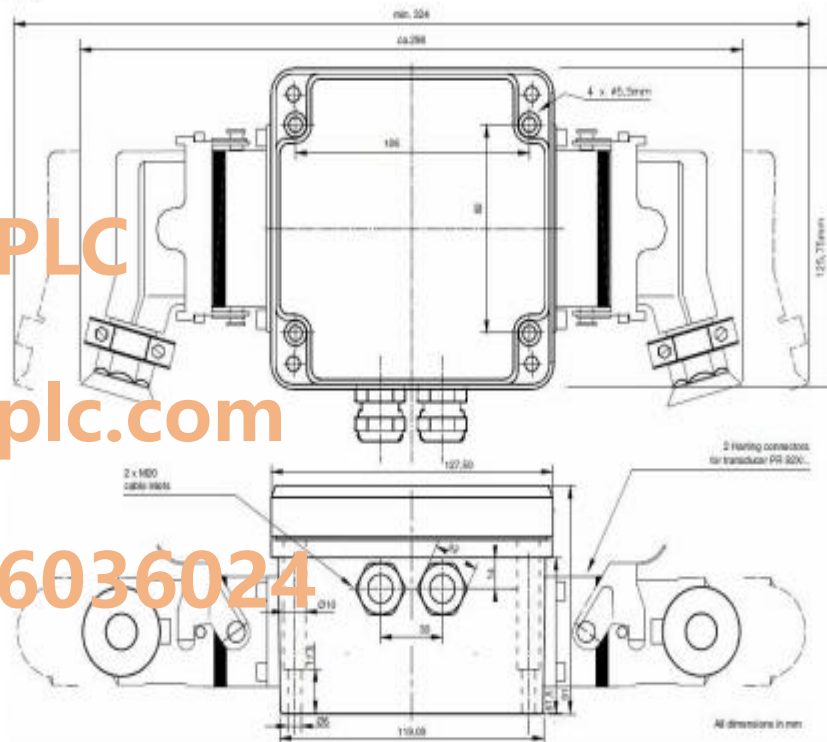
Relay Out:	Voltage	U_{MAX} : 48 VDC
(5x make contact)	Current	I_{MAX} : 1 A
	Contact Rating	P_{MAX} : 50 W

Ordering Information

Part Number	Description
A31 20/022-000	CSI 31 20 Bearing-Vibration Monitor

Dimensions

A 3120/022-000



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