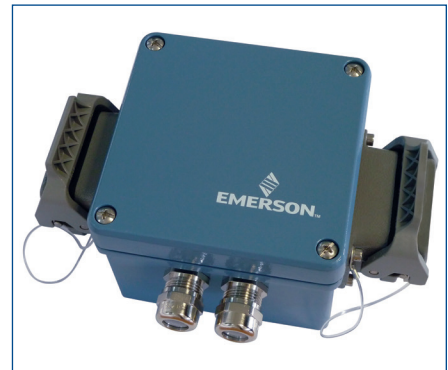


Shaft-Vibration Monitor

Emerson's Dual-Channel Shaft-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 relative shaft 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	Eddy- Current Sensors	
Measurement Range:	Sensor PR6422	0 to 250 μm
	Sensor PR6423	0 to 500 μm
	Sensor PR6424	0 to 1000 μm
	Sensor PR6425	0 to 1000 μm
Frequency Range:	High-Pass Filter	1 / 5 / 10 Hz
	Low-Pass Filter	50 to 1500 Hz
Connection Type:	Internal Converter	"LEMO" socket
	External Converter	"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, non-corroding / ~1300 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	BNC and/or Pins (Cage Terminal)
	Voltage Range	=2.0 to 10.0 VDC
	Accuracy	$\pm 2.5\%$



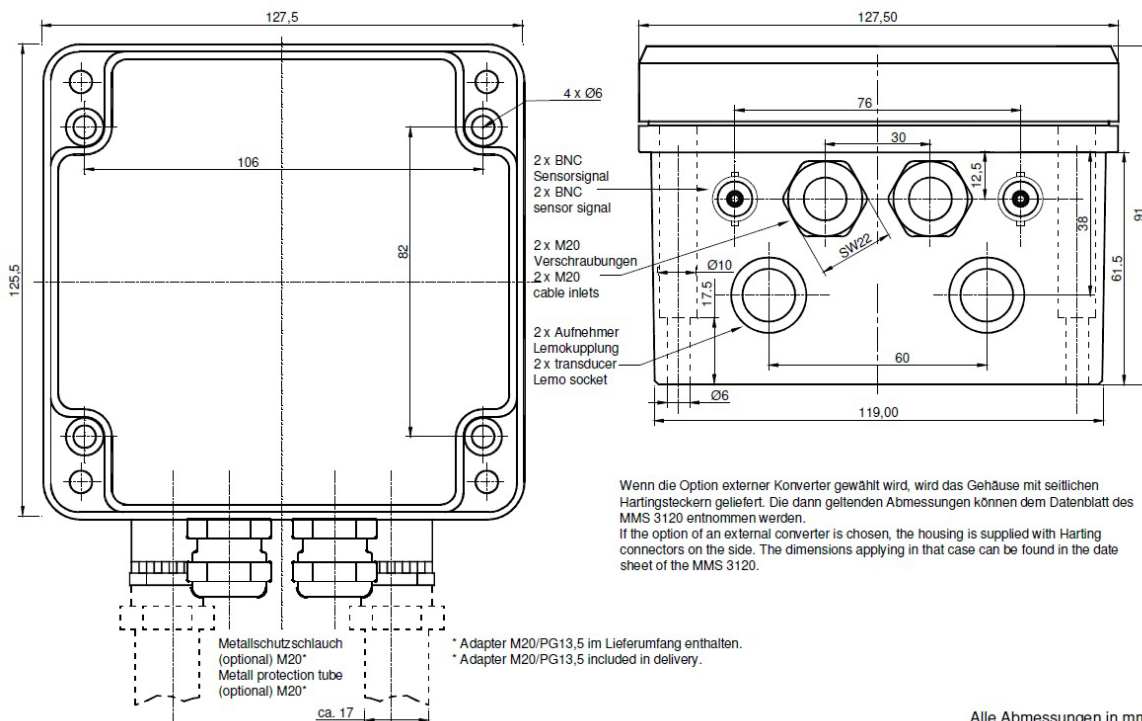
Current Out: (2x)	Current Range	0/4 to 20 mA (20 to 4/0 mA)
		Galvanically separated
		Open circuit and short-circuit proof
	Maximum Burden	500 Ohm
Relay Out: (5x make contact)	Voltage	U_{MAX} : 48 VDC
	Current	I_{MAX} : 1 A
	Contact Rating	P_{MAX} : 50 W
Compliance and Certifications		
CE		EMC – EN61326-1 2014/30/EU 2014/34/EU 2011/65/EU

Ordering Information

Model Number	Product Description
A3110/022-000	AMS 3110 Shaft-Vibration Monitor Eddy-Current Converters: INTERNAL
A3110/022-020	AMS 3110 Shaft-Vibration Monitor Eddy-Current Converters: EXTERNAL (to be ordered separately)

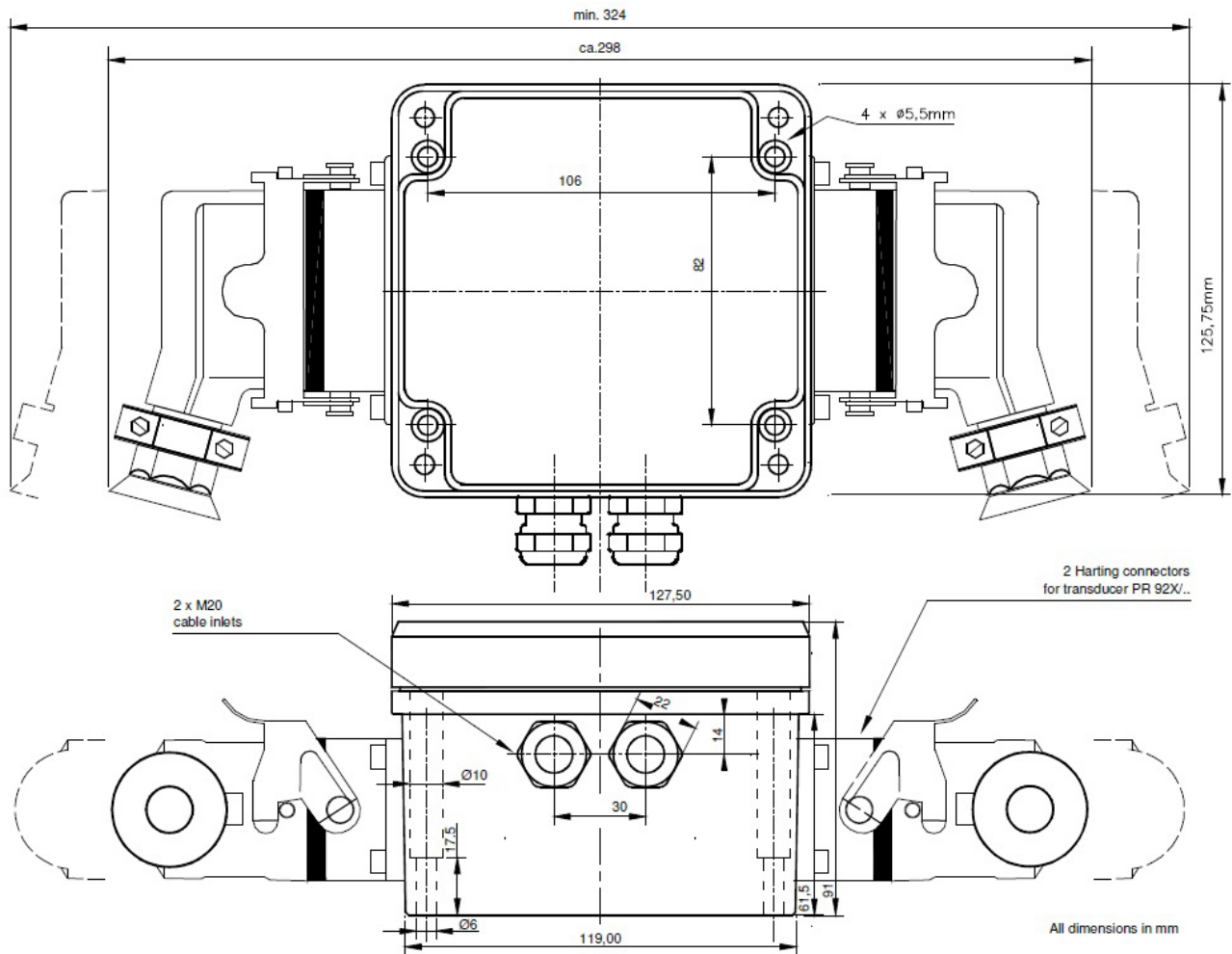
Dimensions

A 3110/022-000



Alle Abmessungen in mm
All dimensions in mm

A3110 /022-020



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