

Product Specifications SFP120C100

John .	Product Number	Function*	Input Voltage	Output	Wiring / Sockets
MACROMATIC PROST SEAS TO SEAS	SFP120C100	DUAL CHANNEL, Sensitivity Range: 4.7K - 100K Ohms	120V AC	(2) 5A SPNO	PB 1 1 T

*DESCRIPTION OF FUNCTION

SFP Series Pump Seal Failure Relays are designed to monitor the shaft seals of submersible pumps. A resistive-measuring probe is installed in the pump seal cavity. If the seal starts to leak, contaminating fluid enters the seal cavity, which lowers the resistance between the internal probe & the common connection. When the resistance drops below the user-adjustable sensitivity set-point of the relay, the output relay energizes & the LED turns ON. The relay output can be used to give an alarm indication of a leaking seal. These products will automatically reset when the fault condition clears.

APPLICATION INFORMATION **DIMENSIONS** Voltage Tolerance: AC Operation: +10/-15% of nominal at 50/60 Hz. Load (Burden): 2 VA **Indicator LEDs:** Red ON when seal leak detected & relay is energized. Probe Voltage: 9V DC Response Time: Pick-up & Drop-out: 10ms Output Contacts: Single Channel Relays: 10A @ 240V AC/7A @ 30V DC, 1/4HP @ 120/240V AC Dual Channel Relays: (2) 5A @ 240V AC/30V DC, 1/4HP @ 120/240V AC Inches (Millimeters) Life: Mechanical: 2,000,000 operations; Full Load: 100,000 operations **Temperature:** -28° to 65° C (-18° to 150° F) Insulation Voltage: 2,000 volts **Approvals:** with Appropriate Macromatic Socket

Macromatic Industrial Controls Inc.

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