

## TECHNICAL INFORMATION

### Description

The Sure Grip Proportional Slider Modules combine the precision of a hall effect sensor with the long life expectancy of a sealed assembly. These modules are designed to provide an ergonomic solution within a small footprint. Each slider module is calibrated and tested before final packaging, resulting in a consistent and reliable control.

Our sliders are made of wear resistant plastic polymer providing a smooth operating feel while optimizing the service life of the part. Compact mounting allows various installation options both in Sure Grip handles and other applications.



### Features

- ▶ Compact device with analog proportional outputs
- ▶ Sealed to IP67
- ▶ Extended travel range +/- 24°
- ▶ Long operational life: > 4 million cycles
- ▶ Utilized non-contact Hall Effect technology
- ▶ Can be ordered individually or installed into Sure Grip handles.

### Part Numbers

- ▶ SM2-P1-3MO (A)  
Momentary 3 position

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- ▶ SM2-P1-3MA (A)  
Maintained 3 position

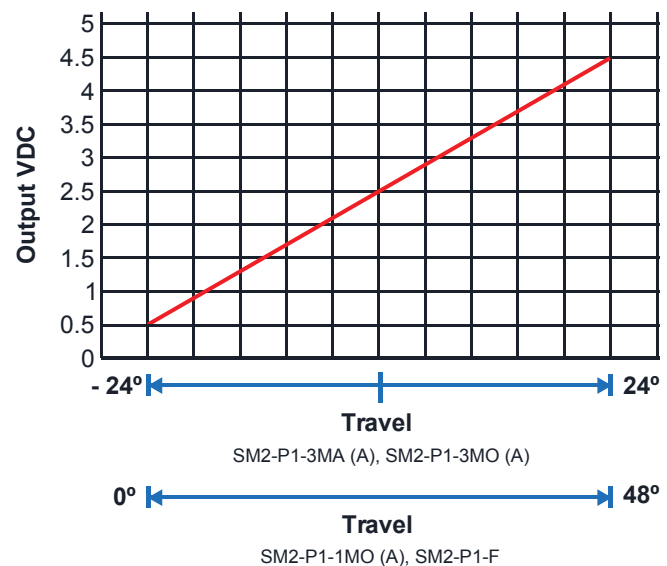
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- ▶ SM2-P1-F  
Friction Hold

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- ▶ SM2-P1-1MO (A)  
Momentary 1 position

### Output Characteristics



## TECHNICAL INFORMATION

### ELECTRICAL SPECIFICATIONS

Input Power Supply:	Min	Typ	Max	Units
Supply Voltage	4.9	5	5.1	Vdc
Supply Current	-	10	-	mA
Control Output:	Min	Typ	Max	Units
Output Voltage Low	0.45	0.5	0.7	Vdc
Output Voltage Mid	2.3	2.5	2.7	Vdc
Output Voltage High	4.3	4.5	4.55	Vdc

### MECHANICAL SPECIFICATIONS

Travel	+/- 24° from center (0° to 48°)
Life Expectancy	>4 million cycles
Functions	Maintained / Momentary / Friction

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°C to +85°C
Sealing	IP67

### Dimensions

