

Features

- Long life element
- Assortment of resistance tapers
- 100 and 60 mm travel lengths
- Touch sense lever
- Snap-in connector
- Single and dual track configurations



PSL Series Motorized Master Slide Potentiometer

Electrical Characteristics

Standard Resistance Range
 10K ohms to 100K ohms
 Standard Resistance Tolerance... ±20 %
 End Resistance 1 ohm max.
 Insulation Resistance @ 500 VDC
 100 megohms min.
 Dielectric Withstanding Voltage
 1000 VAC
 Standard Taper Linear, Audio
 Power Rating - Linear 0.5 watt
 Power Rating - Audio 0.25 watt
 Slider Noise 60 mV max.
 Touch Sense Track
 Conductive Resistance
 Snap-in Connector 10 ohms max.
 (Mating Connector CH203)

Environmental Characteristics

Operational Life 500,000 cycles
 TR Shift ±15 %
 Operating Temperature Range
 -10 °C to +70 °C
 Moisture Sensitivity Level 1
 ESD Classification (HBM) N/A

Mechanical Characteristics

Mechanical Travel
 PSL01 100 mm ± 1 mm
 PSL60 60 mm ± 1 mm
 Operating Force 50 gf
 Stop Strength 5 kgf

Motor Drive Characteristics

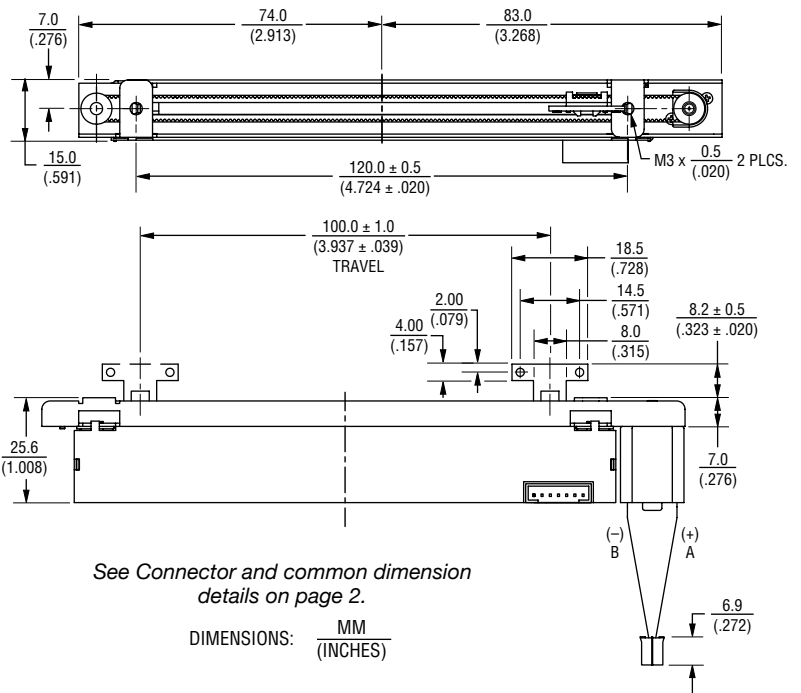
Rated Voltage 5 VDC
 Operating Voltage Supply 3 to 7 VDC
 Maximum Current 600 mA max.
 Lever Speed @ 10 VDC
 20 mm/0.1 sec.

Standard Resistance Table

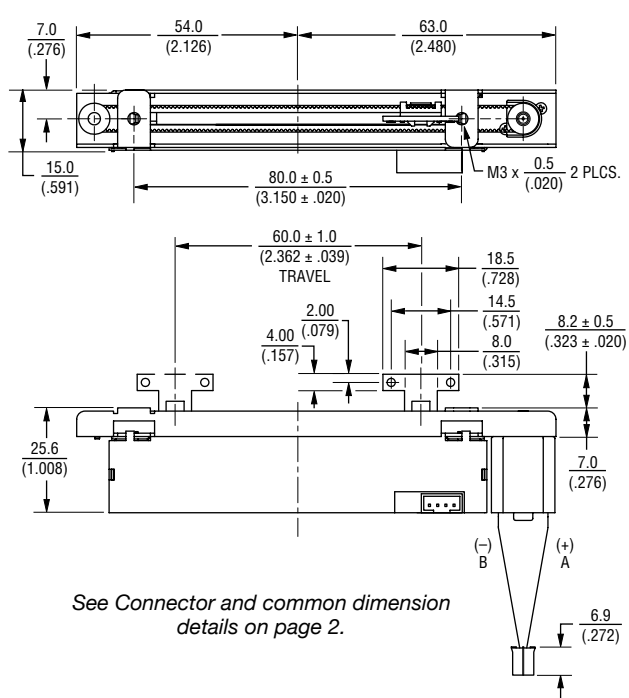
| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 10,000 | 103 |
| 20,000 | 203 |
| 50,000 | 503 |
| 100,000 | 104 |

Product Dimensions

PSL01



PSL60



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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Applications

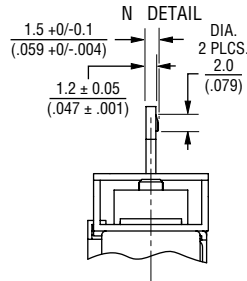
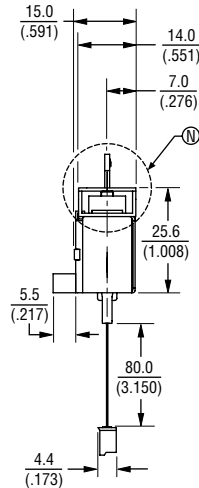
- Audio mixing consoles
- Broadcast mixing consoles
- Light mixing consoles

PSL Series Motorized Master Slide Potentiometer

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Product Dimensions (Continued)

Common Dimensions



See Connector dimension details below.

DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

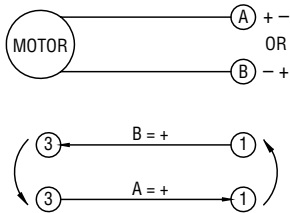
How To Order

PSL 01 - 1 08 2 A - 103 B2

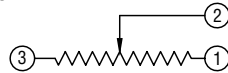
Model Number _____
 Designator _____
 PSL = Motorized Master Slide Pot.
 Length of Travel _____
 01 = 100 mm
 60 = 60 mm
 Configuration _____
 1 = Single Track
 2 = Dual Track
 3 = Line & Servo Track
 Lever Length _____
 08 = 8.2 mm
 Terminal Type _____
 2 = Snap-in Connector
 Lever End Style _____
 A = Metal Lever (Refer to Drawing)
 Resistance Code _____
 (See Standard Resistance Table)
 Resistance Taper (See Taper Charts) _____
 Taper Series followed by Curve Number

Schematics

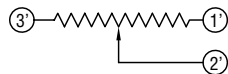
Motor



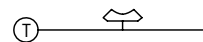
R1 Track



R2 or Servo Track

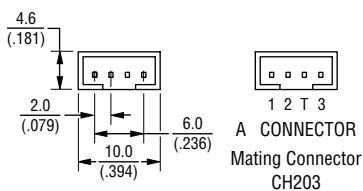


Touch Sense Track

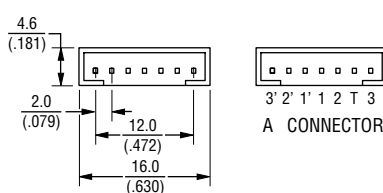


Connector Dimensions

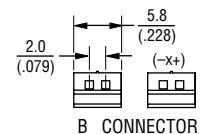
Configuration 1



Configuration 2 & 3



Motor



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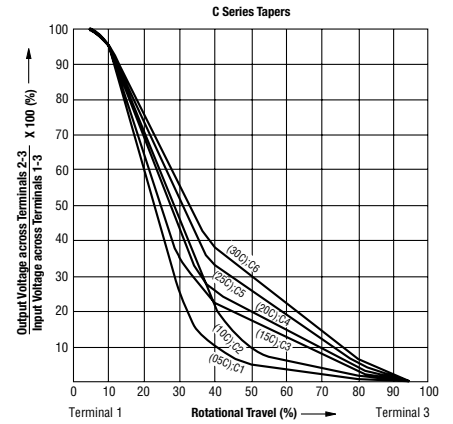
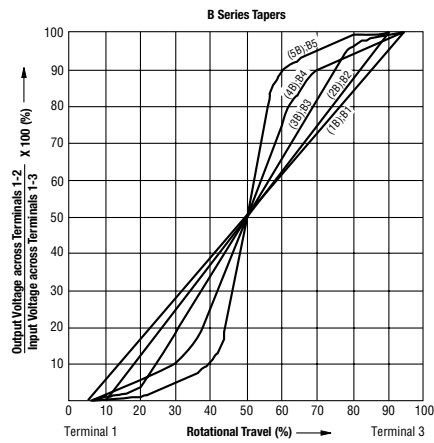
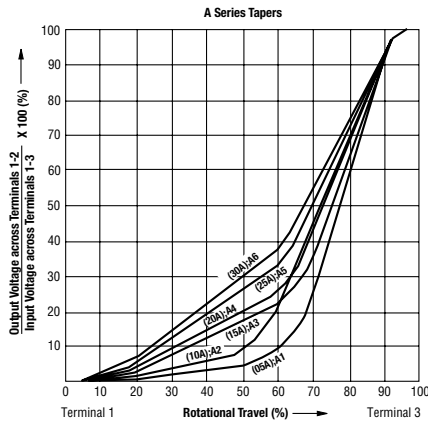
Users should verify actual device performance in their specific applications.

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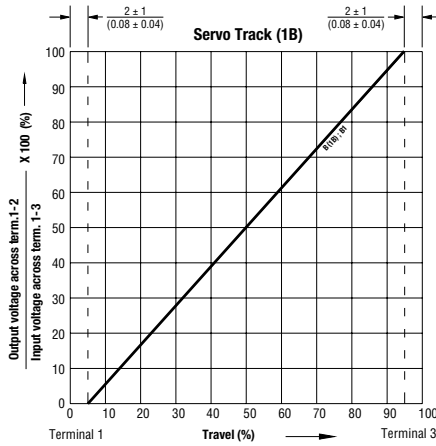
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Tapers



Servo Track Output Chart



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Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com

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