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Item # GRS-4021-0001, 4000 Series Maintained Action Miniature Rocker Switches



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· Features of 4000 Series Mini-Rocker Switches

DOWNLOADS

- 4000 Series Maintained Action Mini-Rocker Switches - (GRS-4021 Series) (PDF, 88KB)
- [3D DWG 4000 SERIES](#) (Not Compatible with Internet Explorer)
- Switch Selection Guide (PDF, 2917KB)

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**Specifications**

<b>Circuitry</b>	DPST
<b>Switch Function</b>	ON-OFF
<b>Electrical Ratings<sup>1</sup></b>	3 A@ 277 VAC 4 A@ 250 VAC 8 A@ 125 VAC
<b>Mounting Size</b>	0.508 x 0.756
<b>Actuator Color</b>	Black
<b>Housing Color</b>	Black
<b>Barriers</b>	Y
<b>Polarized</b>	N
<b>Marking</b>	None
<b>Illumination</b>	Non Illuminated
<b>Terminal</b>	0.187" Wide
<b>Acceptable Panel Range</b>	0.050 - 0.150 in 1.27 - 3.81 mm
<b>Termination Size</b>	0.187 x 0.032 in 4.75 x 0.81 mm
<b>Listing Agency (Consult drawing or factory for specific rating)<sup>2</sup></b>	 Listing Agencies
<b>Compliance</b>	

<sup>1</sup> All ratings are on a load per pole, opposite polarity basis. Additional ratings may be available, contact us for more information.  
Switches marked  $\mu$  are acceptable for use as power switches provided there is a plug disconnect or a switch with open contact gaps of 3 mm minimum.

<sup>2</sup> Due to ongoing advancements, additional agency certifications may be available, contact us for more information.

**Materials**

<b>Rocker Knob</b>	Nylon 94V-2
<b>Housing</b>	Nylon 94V-2
<b>Terminal &amp; Moving Contact</b>	Copper Alloy Copper Alloy Silver Plated
<b>Springs</b>	Music Wire
<b>Plunger</b>	Brass or Nickel Plated Steel
<b>Mounting</b>	Self locks without hardware when popped into a 0.756" (19-20 mm) x 0.508" (12.90 mm) panel cutout. Acceptable panel thickness range is from 0.050" (1.27 mm) to 0.150" (3.81 mm). <b>CAUTION:</b> Burr direction must be away from the direction of insertion.

**Operating Standards**

**Endurance:**  
100,000 cycles, no load, minimum  
25,000 cycles at rated load minimum up to 16 A@ 125 VAC  
10,000 cycles at rated load minimum 16 A@ 250 VAC

**Contact Resistance:**  
Less than 0.01  $\Omega$  at 10 mA (Initial)

**Operating Temperature:**  
From -20°C to 105°C maximum.  
Consult factory for higher or lower temperature ranges.

**High Voltage Dielectric Withstanding Voltage:**  
2,500 V, 60 Hz for 1 minute between mounting surface and circuit connections

**Humidity:**  
Insulation resistance > 10<sup>3</sup> M $\Omega$  after 100 hours at 95% R.H. and 50°C followed by 1 hour dry at ambient room conditions

**Operating Standards** described herein are general specifications that vary depending on the switch construction specified and end application. Contact us for specifications for specific models. Specifications subject to change without notice.

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