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Email: [info@cwind.com](mailto:info@cwind.com) • Website: <http://www.cwind.com>**Item # GRS-4013A-0000, 4000 Series Center-Off Miniature Rocker Switches**

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**Check Distributor Stock**

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**Specifications**

<b>Circuitry</b>	SPDT
<b>Switch Function</b>	ON-OFF-ON
<b>Electrical Ratings<sup>1</sup></b>	1/2 HP @ 125-250 VAC 10 A @ 250 VAC 13 A @ 125 VAC 5 A @ 14 V (T)
<b>Panel Opening</b>	0.508 x 0.756 in 12.90 x 19.20 mm
<b>Acceptable Panel Thickness</b>	0.050 - 0.150 in 1.27 - 3.81 mm
<b>Mounting</b>	Self locks without hardware when inserted 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.
<b>Mounting Polarization</b>	None
<b>Actuator Color</b>	Black
<b>Actuator Legend</b>	None
<b>Illumination</b>	Non Illuminated
<b>Housing Color</b>	Black
<b>Insulating Barriers</b>	(X) Between Poles ( ) Between Terminals ( ) No Barriers
<b>Terminal</b>	(X) 0.187 x 0.032in. 4.75 x 0.81mm. Quick Connect ( ) 0.187 x 0.020in. 4.75 x 0.51mm. Quick Connect ( ) 0.110 x 0.032in. 2.79 x 0.81mm. Quick Connect ( ) 0.110 x 0.032in. 2.79 x 0.81mm. Solder Terminal
<b>Contact Action</b>	Sliding with Self Cleaning Contacts
<b>Listing Agency (Consult drawing or factory for specific rating)<sup>2</sup></b>	 Listed Agencies

**Compliance**

<sup>1</sup> All ratings are on a load per pole, opposite polarity basis.

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 or Copper Alloy Silver Plated

**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.