

Power mini

Model : G2

Dimensions	Contact	Basic Performance						
<p>Dimensions diagram showing front view, side view, and internal cross-section. Dimensions include height (26mm), width (28mm), thickness (25mm), lead length (6.3mm), and internal part dimensions (16.8mm, 9.5mm, 17.9mm).</p>	1a(NO) Wiring Diagram <p>Wiring diagram for a normally open contact (NO). It shows terminal 3 connected to terminal 5 through a NO switch. Terminal 1 is connected to terminal 2 through a resistor of 200Ω and a coil with a resistance of 1.3kΩ.</p>	<p>Rated voltage DC12V</p> <p>Contact current (Fig.1,2) 0.1~50A</p> <p>Rated coil current (Between terminal ①and②) 0.069±0.02A (at 20°C)</p> <p>Coil resistance 200Ω</p> <p>Voltage drop loss between contacts Max. 0.3V (at50A)</p> <p>Operating temp. and voltage range (Fig.3)</p> <table border="1"> <tr> <td>Operating voltage</td> <td>10~16V (at20°C)</td> </tr> <tr> <td>Pull-in voltage</td> <td>Max.8V (at20°C)</td> </tr> <tr> <td>Drop-out voltage</td> <td>0.5~5V (at20°C)</td> </tr> </table> <p>Time rating Continuous operation</p> <p>Insulation resistance Min. 10MΩ (With 500V megger under normal temp. And normal humidity)</p> <p>Installation position J/B or R/B inside. (Engine room or cabin.)</p> <p>Use Lamp, Motor, Solenoid, Resistor</p> <p>Note The specifications are initial value.</p>	Operating voltage	10~16V (at20°C)	Pull-in voltage	Max.8V (at20°C)	Drop-out voltage	0.5~5V (at20°C)
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Fig.1 Maximum contact current

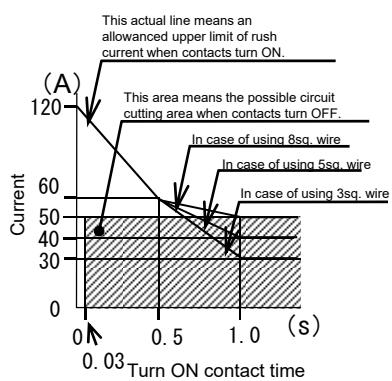


Fig.2 Operating temp. and current range

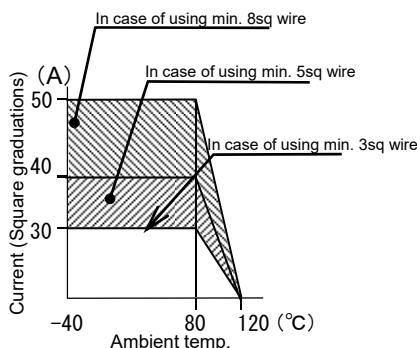


Fig.3 Operating temp. and voltage range

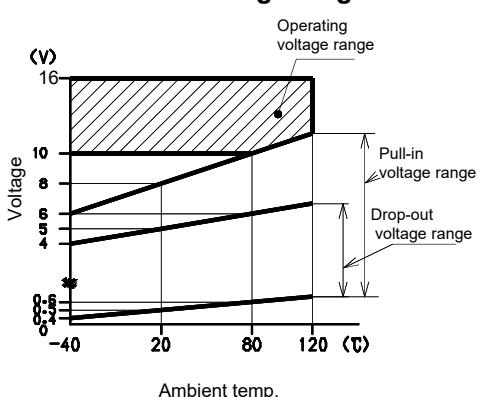


Table 1. Durability Performance (at 14±0.5V)

Load	Operation time	Test cycles	Load current	
			Peak	Usual
Lamp	1s ON , 9s OFF	50,000	120A	24A
Motor	2s ON , 6s OFF	200,000	80A	20A
Solenoid ※	2s ON , 6s OFF	200,000	44A	16A
Resistor	1s ON , 2s OFF	50,000	50A	50A

※Add an arc killer device. (A diode is connected to the both end of load.)