

**FEATURES:**

- Large switching capacity up to 70A
- Small size and light weight
- Quick connect mounting available
- Suitable for automobile and lamp accessories
- QS-9000, ISO-9002 Certified Manufacturing



26.5 x 26.5 x 25.0

RoHS Compliant

**CONTACT DATA**

Contact Arrangement	1A = SPST N.O.
Contact Rating	70A @ 14VDC
Contact Resistance	< 30 milliohms initial
Contact Material	AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub>
Maximum Switching Power	980W
Maximum Switching Voltage	75VDC
Maximum Switching Current	70A

**COIL DATA**

Coil Voltage VDC		Coil Resistance Ω ± 10%	Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max.						
6	7.8	1.6W	4.5	0.6	1.6	7	5
12	15.6	90	9.0	1.2			
24	31.2	360	18.0	2.4			

**CAUTION:**

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

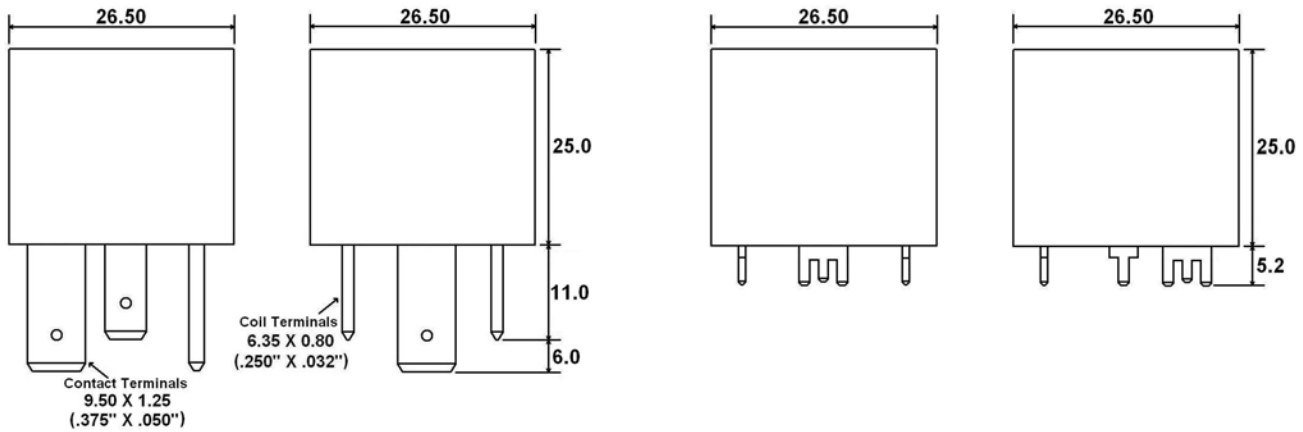
**GENERAL DATA**

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength, Coil to Contact	500V rms min. @ sea level
Contact to Contact	500V rms min. @ sea level
Shock Resistance	147m/s <sup>2</sup> for 11ms
Vibration Resistance	1.5mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	8N
Operating Temperature	-40°C to + 125°C
Storage Temperature	-40°C to + 155°C
Solderability	260°C for 5s
Weight	31g

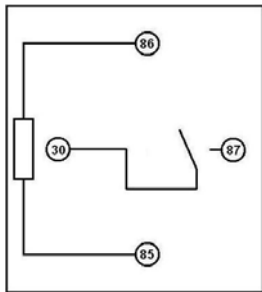
**ORDERING INFORMATION**

<b>1. Series:</b> A8	<b>A8</b>	<b>1A</b>	<b>C</b>	<b>Q</b>	<b>24VDC</b>	<b>1.6</b>
<b>2. Contact Arrangement:</b> 1A = SPST N.O.						
<b>3. Sealing Options:</b> C = Dust Cover (for Q terminals only) S = Flux Tight						
<b>4. Termination Options:</b> Q = Quick Connect P = PC Pins						
<b>5. Coil Voltage:</b> 6VDC 12VDC 24VDC						
<b>6. Coil Power:</b> 1.6 = 1.6W						
<b>7. Coil Suppression:</b> Blank = Standard D = Diode (1N4005) Cathode on "86" terminal R = Resistor (680 Ohms)						
** Consult factory if other values are needed.						

**DIMENSIONS – A8 (Units = mm)**



**SCHEMATIC & PC LAYOUT**



**1A**

