

4121 12VDC (804) 30A



#### CONTACT DATA:

Contact Form	1A
Contact Material	Ag Alloy
Contact Ratings	30A14VDC
Max Switching Voltage	30VDC
Max Switching Current	300A
Max Switching Power	420W
Initial Contact Resistance	50m Ω Max at6VDC 1A
Life Expectancy Electrical	100,000 Operations (rated load)
Life Expectancy Mechanical	10,000,000 Operations (no load)

#### GENERAL DATA:

Insulation Resistance	50M Ω min at500VDC
Dielectric Strength Between Open Contacts	500VAC 50-60HZ( 1 minute)
Dielectric Strength Between Contacts And Coil	500VAC 50-60HZ( 1 minute)
Operate Time	15ms max
Release Time	10ms max
Ambient Temperature	-30 °C to+85 °C
Shock Resistance	10G
Vibration Resistance	10-55Hz,1.5mm double amplitude
Ambient humidity	40-85% RH
Weight	Approx 35g
Safety Standard	

**COIL DATA : (@20 °C )**

Rated Voltage (VDC)	Coil Resistance $\Omega$ ( $\pm 10\%$ )		Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Max Applied Voltage (VDC)
	1.44W	1.8W			
6	25	20	3.9	0.6	7.8
12	100	80	7.8	1.2	15.6
24	400	320	15.6	2.4	31.2
48	1600	1280	31.2	4.8	62.4

**PC Board Layout & Wiring Diagram (Bottom View)**

