

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 $\Omega$ 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 $\Omega$ 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 $^{\circ}$ C to+85 $^{\circ}$ 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 ℃ )

| Rated<br>Voltage<br>(VDC) | Coil Resistance $\Omega$ ( $\pm 10\%$ ) |      | Max Operate<br>Voltage (VDC) | Min Release<br>Voltage (VDC) | Max Applied<br>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)

