



4100H 12VDC (842) 2A

CONTACT DATA :

| | |
|----------------------------|--------------------------------|
| Contact Form | 1A/1C |
| Contact Material | Au+Ag Alloy |
| Contact Ratings | 3A:120VAC/24VDC |
| Max Switching Voltage | 240VAC/60VDC |
| Max Switching Current | 3A |
| Max Switching Power | 240VA/90W |
| Initial Contact Resistance | 50m Ω Max at 6VDC 1A |
| Life Expectancy Electrical | 100,000 Operations(rated load) |
| Life Expectancy Mechanical | 10,000,000 Operations(no load) |

GENERAL DATA:

| | | |
|---|--------------------------------|-----|
| Insulation Resistance | 100M Ω Min at500VDC | |
| Dielectric Strength Between Open Contacts | 500VAC 50-60HZ(1 minute) | |
| Dielectric Strength Between Contacts And Coil | 1000VAC 50-60HZ(1 minute) | |
| Operate Time | 5ms max | |
| Release Time | 5ms max | |
| Ambient Temperature | -25 °C to+70 °C | |
| Shock Resistance | Malfunction | 10G |
| | Destruction | 10G |
| Vibration Resistance | 10-55Hz,1.5mm double amplitude | |

| | |
|------------------|-----------|
| Ambient humidity | 40-85% RH |
| Weight | Approx 4g |
| Safety Standard | UL CQC |

COIL DATA : (@20 °C)

| Rated Voltage (VDC) | Coil Resistance Ω (\pm 10%) | | Max Operate Voltage (VDC) | Min Release Voltage (VDC) | Max Applied Voltage (VDC) |
|---------------------|--|-------|---------------------------|---------------------------|---------------------------|
| | 0.2W | 0.36W | | | |
| 3 | 45 | 25 | 2.25 | 0.15 | 3.9 |
| 5 | 125 | 70 | 3.75 | 0.25 | 6.5 |
| 6 | 180 | 100 | 4.5 | 0.3 | 7.8 |
| 9 | 405 | 225 | 6.75 | 0.45 | 11.7 |
| 12 | 720 | 400 | 9 | 0.6 | 15.6 |
| 24 | 2800 | 1600 | 18 | 1.2 | 31.2 |

PC Board Layout & Wiring Diagram (Bottom View)

