

# O/E/N 61

## SUB MINIATURE POWER RELAY

- International Standard Foot Print
- Sensitive
- Low Profile
- UL Approved
- Sealed

### SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| Contact Arrangement             | : 1 Form C   |
| Contact Material                | : Silver alloy                                     |
| Contact Rating                  |  |
| Rated Voltage                   | : 230 VAC/24 VDC                                   |
| Maximum Voltage                 | : 230 V AC/28 V DC                                 |
| Max. Continuous Current         |  |
| At 120VAC/ 12VDC                | : 10A  |
| At 230VAC/28VDC                 | : 5A   |
| Maximum Switching Current       | : 10A  |
| Maximum Power Rating            | : 1250VA   |
| Nominal Coil Power              | : 0.36W (approx)                                   |
| Operating Power                 | : 0.23W (approx)                                   |
| Life Expectancy                 |  |
| Mechanical                      | : 10 <sup>7</sup> operations                       |
| Electrical                      | : 10 <sup>5</sup> operations                       |
| Contact Resistance (Initial)    | : 50 milli Ohms                                    |
| Dielectric Strength             |  |
| Between Contacts & Coil         | : 1500 VRMS  |
| Between Open Contacts           | : 750 VRMS   |
| Insulation Resistance           | : 100 Meg. Ohms at 500VDC, 25 <sup>o</sup> C, RH50 |
| Operate time at Nominal Voltage | : 10 milli sec.(Typ)                               |
| Release time at Nominal Voltage | : 10 milli sec.(Typ)                               |
| Ambient Temperature             | : -40 <sup>o</sup> C to + 70 <sup>o</sup> C        |
| Weight                          | : 12 gms (approx)                                  |

#### Typical applications

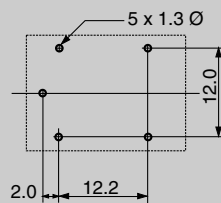
UPS, Home Appliances, Office Automation, Security Systems, PLCs, Timers etc

All dimensions are in mm. Specifications subject to change without notice. Tolerance unless otherwise specified is ± 10%

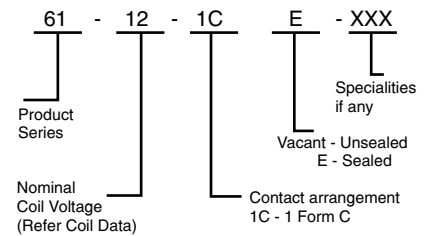
### COIL DATA

| Nominal Voltage VDC | Pick-up Voltage VDC (Max) | Drop-out Voltage VDC (Min) | Coil Resistance Ohms ± 10% |
|---------------------|---------------------------|----------------------------|----------------------------|
| 5                   | 4.0                       | 0.5                        | 70                         |
| 6                   | 4.8                       | 0.6                        | 100                        |
| 9                   | 7.2                       | 0.9                        | 225                        |
| 12                  | 9.6                       | 1.2                        | 400                        |
| 18                  | 14.4                      | 1.8                        | 900                        |
| 24                  | 19.2                      | 2.4                        | 1600                       |
| 48                  | 38.4                      | 4.8                        | 6400                       |

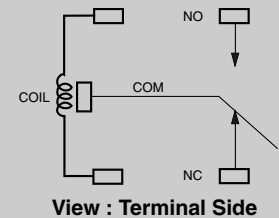
### DRILLING PATTERN



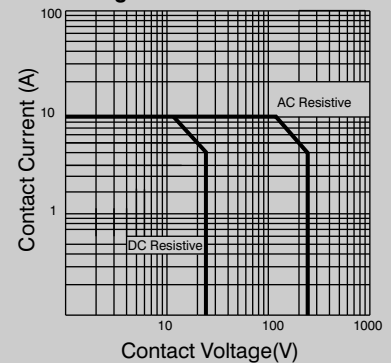
### HOW TO ORDER



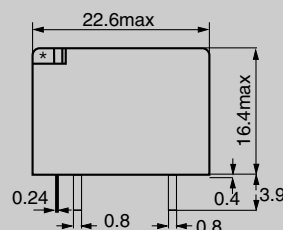
### CIRCUIT DIAGRAMS



#### Limiting Curve for Power Load



### DIMENSIONS



\* Vent hole to be opened after PCB Soldering & Cleaning