



**ProTechTrader**

**RELAY ISO9002**



### 1.MAIN FEATURES

2Form C (DPDT)bifurcated-cross-bar contacts.

Gold Clad silver contact.

Dip-2C type matching 16pin IC socket.

Sealed type available.

UL recognized.

• High sensitivity.

• Coil Power Consumption : 0.20 ~ 0.50W

### 2. APPLICATIONS

Telecommunication equipment, domestic appliances, office machines, audio equipment, etc.



### 3. ORDERING INFORMATION

| SRC            | XX VDC               | S             | L Coil sensitivity |
|----------------|----------------------|---------------|--------------------|
| Model of relay | Nominal coil voltage | Structure     |                    |
| SRC            | 05 09 12 VDC         | S:Sealed type | H:0.20W            |

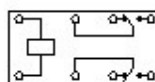
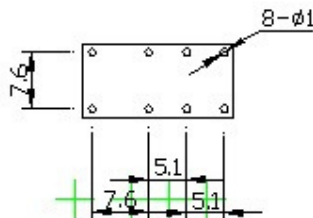
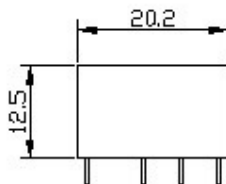
### 4. RATING

UL/CUL FILENUMBER:E167996 1A/120VAC30VDC 1A/120VAC30VDC

### 5. DIMENSION (unit:mm)

### DRILLING (unit:mm)

### WIRING DIAGRAM



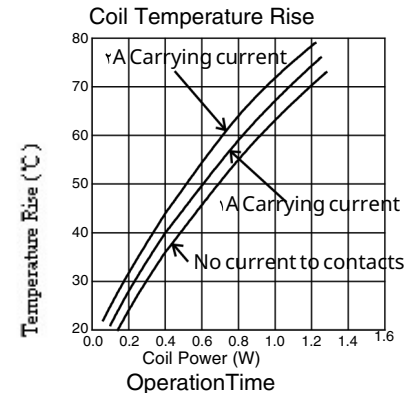
## 6. COIL DATA CHART (AT20 C)

| Coil Sensitivity | Coil Voltage Code | Nominal Voltage (VDC) | Nominal Current (mA) | Coil Resistance (Ω) ±10% | Power Consumption (W) | Pull-In Voltage (VDC) | Drop-Out Voltage (VDC) | Max-Allowable Voltage (VDC) |
|------------------|-------------------|-----------------------|----------------------|--------------------------|-----------------------|-----------------------|------------------------|-----------------------------|
| SRC-L            | 03                | 3                     | 120                  | 25                       | abt. 0.36W            | 75% Max.              | 5% Min.                | 150%                        |
|                  | 05                | 5                     | 71.4                 | 70                       |                       |                       |                        |                             |
|                  | 06                | 6                     | 60                   | 100                      |                       |                       |                        |                             |
|                  | 09                | 9                     | 40.9                 | 220                      |                       |                       |                        |                             |
|                  | 12                | 12                    | 30                   | 400                      |                       |                       |                        |                             |
|                  | 24                | 24                    | 15                   | 1600                     |                       |                       |                        |                             |
| SRC-H            | 03                | 3                     | 66.7                 | 45                       | abt. 0.2W             | 75% Max.              | 5% Min.                | 150%                        |
|                  | 05                | 5                     | 40                   | 125                      |                       |                       |                        |                             |
|                  | 06                | 6                     | 33.3                 | 180                      |                       |                       |                        |                             |
|                  | 09                | 9                     | 22.2                 | 405                      |                       |                       |                        |                             |
|                  | 12                | 12                    | 16.7                 | 720                      |                       |                       |                        |                             |
|                  | 24                | 24                    | 8.3                  | 2880                     |                       |                       |                        |                             |
| SRC-D            | 48                | 48                    | 8.3                  | 5760                     | abt. 0.4W             |                       |                        |                             |

## 7. CONTACT RATING

| Item                    | Type     | SRC                     |
|-------------------------|----------|-------------------------|
| Resistive Load (cosΦ=1) | Capacity |                         |
| Inductive Load          |          | 1A 120VAC / 1A 30VDC    |
| (cosΦ=0.4 L/R=7msec.)   |          | 0.5A 120VAC/ 0.5A 30VDC |
| Rated Carrying Current  |          |                         |
| Max. Allowable Voltage  |          | 1A                      |
| Max. Allowable Current  |          | 120VAC, 28VDC           |
| Referenced Min.         |          | 1A                      |
| Applicable Load         |          |                         |
| Contact Material        |          | 100mVDC 0.1mA           |
|                         |          | AgCdO+ Au Clad          |

## REFERENCE DATA



## 8. PERFORMANCE (at initial value)

| Item                          | Type | SRC                               |
|-------------------------------|------|-----------------------------------|
| Contact Resistance            |      | 100mΩ Max.                        |
| Operation Time                |      | 8msec Max.                        |
| Release Time                  |      | 5msec Max.                        |
| Dielectric Strength           |      |                                   |
| Between coil & contact        |      | 500VAC 50/60Hz (1 minute)         |
| Between contacts              |      | 500VAC 50/60Hz (1 minute)         |
| Insulation Resistance         |      | 1000 MΩ Min. (500VDC)             |
| Max. ON/OFF Switching         |      |                                   |
| Mechanically                  |      | 300 operation/min                 |
| Electrically                  |      | 30 operation/min                  |
| Operating Ambient Temperature |      | -25°C to +55°C                    |
| Operating Humidity            |      | 45 to 85% RH                      |
| Vibration Endurance           |      | 10 to 55Hz Double Amplitude 1.5mm |
|                               |      | Error Operation 10 to 55Hz Double |
| Shock Endurance               |      | Amplitude 1.5mm                   |
| Error Operation               |      | 100G Min.                         |
| Life Expectancy               |      | 10G Min.                          |
| Mechanically                  |      | 107 ops. Min. (no load)           |
| Electrically                  |      | 105 ops. Min.                     |
| Weight                        |      | abt. 6grs.                        |

