



# **SRU-24VDC-F-D-A** **RELAY**

SONGLE RELAY



NingBo Songle Relay Co.,LTD.

SRU



TUV File No.R9933789

- 1、Spacer saver ideal for equipment miniaturization,satisfying all requirement for use in household eletric appliances.
- 2、Micro voltage/current load type employing highly reliable Ag alloy and gold flashed contacts permits switching of a wide range of loads from dry circuits of. Several mA to 15A.
- 3、Epoxy seal type and flux free.

!COLL SPECIFICATION [at25degrees ]

| Coil Sensitivity     | Nominal Voltage (VDC) | Nominal Current (mA) | Coil Resistance (+10% ·ohm) | Power Consumption (w) | Pull-in Voltage (VDC) | Drop-out Voltage (VDC) | Max-Allow Able Voltage(VDC) |
|----------------------|-----------------------|----------------------|-----------------------------|-----------------------|-----------------------|------------------------|-----------------------------|
| High Sensivity       | 3                     | 120                  | 25                          | abt 0.36w             | 75%Max                | 10%Min                 | 130%                        |
|                      | 5                     | 71                   | 70                          |                       |                       |                        |                             |
|                      | 6                     | 60                   | 100                         |                       |                       |                        |                             |
|                      | 9                     | 40                   | 225                         |                       |                       |                        |                             |
|                      | 12                    | 30                   | 400                         |                       |                       |                        |                             |
|                      | 18                    | 20                   | 900                         |                       |                       |                        |                             |
|                      | 24                    | 15                   | 1600                        |                       |                       |                        |                             |
| Standard Sensitivity | 3                     | 150                  | 20                          | Abt 0.45w 75%Max      | 75%Max                | 10%Min                 | 130%                        |
|                      | 5                     | 89                   | 56                          |                       |                       |                        |                             |
|                      | 6                     | 75                   | 80                          |                       |                       |                        |                             |
|                      | 9                     | 50                   | 180                         |                       |                       |                        |                             |
|                      | 12                    | 37.5                 | 320                         |                       |                       |                        |                             |
|                      | 18                    | 25                   | 720                         |                       |                       |                        |                             |
|                      | 24                    | 18.7                 | 1280                        |                       |                       |                        |                             |

!CONTACT RATING

|                         |            |
|-------------------------|------------|
| Contact Form            | SPDT       |
| Contact Capacity        | 10A 240VAC |
| Resistave Load(cos"=1)  | 15A 125VAC |
| Inductiv Load(cos"=0.4) | 4A 120VAC  |
| L/R=7msec               | 4A 24VDC   |
| Contact Material        | AgCdo      |

!NOTE:Contact rating 1:10A/240vac 2:15A/125VAC

#### SONGLE RELAY

!PERFORMANCE[at initial value]

|                        |                                       |
|------------------------|---------------------------------------|
| Contact Ristance       | 100 mhom Max                          |
| Operate time           | 15 msec. Max                          |
| Release time           | 5 msec. Max                           |
| Dielectric Strength    |                                       |
| Between coil & contact | 1500VAC 50/60Hz(1min)                 |
| Between contacts       | 1000VAC 50/60Hz(1min)                 |
| Insulaton Resistance   | 100M ohm Min(500VDC)                  |
| Max. ON/OFF Switching  |                                       |
| Mechanically           | 300 ops/min                           |
| Electrically           | 30 ops/min                            |
| Operating Ambient temp | -30 to 70degrees                      |
| Operating Humidity     | 45 to 85% RH                          |
| Vibration              |                                       |
| Damage Limits          | 10 to 55Hz Double Amp.1.0mm           |
| Operating Extremes     | 10 to 55Hz Double Amp.1.0.mm          |
| Shock                  |                                       |
| Damage Limits          | 100G                                  |
| Operating Extremes     | 10G                                   |
| Life Expectancy        |                                       |
| Mechanically           | 1,000,000 ops. Min(no load)           |
| Electrically           | 100,000 ops. Min(at rated coil volt.) |
| Weight                 | Abt.12grs                             |

!ORDER INFORMATION

|                |                      |                  |                  |              |
|----------------|----------------------|------------------|------------------|--------------|
| SRU            | 12VDC                | S                | L                | C            |
| Model of relay | Nminal coil voltage  | Structure        | Coil sensitivity | Contact form |
| SRU            | 03,05,06,09,12,24VDC | S:Sealed type    | L:0.36w          | A: 1 form A  |
|                |                      | F:Flux free type | D:0.45w          | B: 1 form B  |
|                |                      |                  |                  | C: 1 form C  |