

# SONGLE RELAY



RELAY ISO9002

**SLA**



## 1. MAIN FEATURES

- Up to 30A switching in SPST and 20A switching in spot arrangements.
- Available as an open-frame relay, with a snap-on dust cover or with an immersion cleanable, plastic sealed case.

## 2. APPLICATIONS

- Used for power switching, Electrical Heater, ventilator, Air conditioning, Refrigerating, Automobile and House-hold Appliance.

## 3. ORDERING INFORMATION

| SLA            | XX VDC                             | S                | L                | C            |
|----------------|------------------------------------|------------------|------------------|--------------|
| Model of relay | Nominal coil voltage               | Structure        | Coil sensitivity | Contact form |
| SLA            | 05, 06, 09, 12, 18, 24, 48, 110VDC | S:Sealed type    | L:0.93W          | A:1 form A   |
|                |                                    | F:Flux free type | D:Special        | B:1 form B   |
|                |                                    |                  |                  | C:1 form C   |

## 4. RATING

20A/28VDC 240VAC 30A/28VDC 240VAC

CCC FILE NUMBER:CH0056477-2001 30A/250VDC

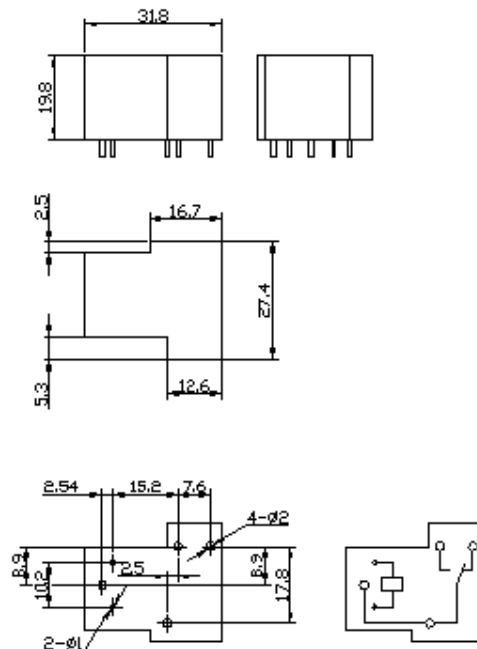
UL/CUL FILE NUMBER: E179944 NO:20A/240VAC 28VDC NC:10A/240VAC 28VDC

TUV FILE NUMBER: R9933789 NO:30A/240VAC 28VDC NC:20A/240VAC 28VDC

## 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 ( $\Omega$ ) $\pm 10\%$ | Power Consumption (W) | Pull-In Voltage (VDC) | Drop-Out Voltage (VDC) | Max-Allowable Voltage (VDC) |
|------------------|-------------------|-----------------------|----------------------|-----------------------------------------|-----------------------|-----------------------|------------------------|-----------------------------|
| SLA              | 05                | 5                     | 185                  | 27                                      | abt. 0.93W            | 75% Max.              | 10% Max.               | 120%Max.                    |
|                  | 06                | 6                     | 150                  | 40                                      |                       |                       |                        |                             |
|                  | 09                | 9                     | 93                   | 97                                      |                       |                       |                        |                             |
|                  | 12                | 12                    | 77                   | 155                                     |                       |                       |                        |                             |
|                  | 15                | 15                    | 59                   | 256                                     |                       |                       |                        |                             |
|                  | 18                | 18                    | 47                   | 380                                     |                       |                       |                        |                             |
|                  | 24                | 24                    | 36                   | 660                                     |                       |                       |                        |                             |
|                  | 48                | 48                    | 20                   | 2480                                    |                       |                       |                        |                             |
|                  | 110               | 110                   | 9                    | 13000                                   |                       |                       |                        |                             |

## 7. CONTACT RATING

| Item \ Type                                         | SLA                                                 |                                                                |                                                     |                                                          |
|-----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------|
|                                                     | FORM A                                              | FORM B                                                         | FORM C                                              |                                                          |
|                                                     |                                                     |                                                                | N/O                                                 | N/C                                                      |
| Resistive Load<br>( $\cos\Phi=1$ )<br>General Motor | 30A 240VAC<br>30A 28VDC<br>240VAC 2HP<br>120VAC 1HP | 15A 240VAC<br>10A 28VDC<br>240VAC<br>0.5HP<br>120VAC<br>0.25HP | 20A 240VAC<br>20A 28VDC<br>240VAC 2HP<br>120VAC 1HP | 10A 240VAC<br>10A 28VDC<br>240VAC 0.5HP<br>120VAC 0.25HP |
| Ballast                                             | 10A 277VAC                                          | 3A 277VAC                                                      | 10A 277VAC                                          | 3A 277VAC                                                |
| LRA/FLA                                             | 240VAC 80/30                                        | 240VAC 30/10                                                   | 240VAC 50/20                                        | 240VAC 20/7                                              |

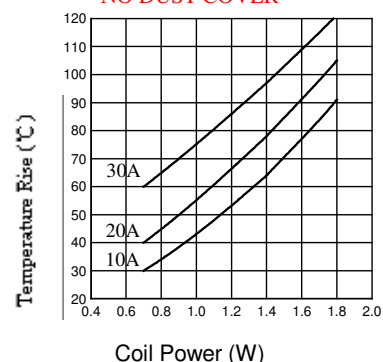
## 8. PERFORMANCE (at initial value)

| Item \ Type                                                       | SLA                                                                        |
|-------------------------------------------------------------------|----------------------------------------------------------------------------|
| Contact Resistance                                                | 100m $\Omega$ Max.                                                         |
| Operation Time                                                    | 15msec Max.                                                                |
| Release Time                                                      | 10msec Max.                                                                |
| Dielectric Strength<br>Between coil & contact<br>Between contacts | 2000VAC<br>1500VAC                                                         |
| Insulation Resistance                                             | 100 M $\Omega$ Min. (500VDC)                                               |
| Max. ON/OFF Switching<br>Mechanically Electrically                | 300 operation/min<br>30 operation/min                                      |
| Operating Ambient Temperature                                     | -25° to +70°C (storage)                                                    |
| Operating Humidity                                                | 45 to 85% RH                                                               |
| Coil Temperature Rise                                             | 60 deg. Max.                                                               |
| Vibration<br>Endurance<br>Error Operation                         | 10 to 55Hz Double Amplitude 1.5mm<br>10 to 55Hz Double Amplitude 1.5mm     |
| Shock<br>Endurance<br>Error Operation                             | 100 m/sec <sup>2</sup> (abt. 100g's)<br>10 m/sec <sup>2</sup> (abt. 10g's) |
| Life Expectancy<br>Mechanically<br>Electrically                   | 10 <sup>7</sup><br>10 <sup>5</sup>                                         |
| Weight                                                            | abt. 20grs, 24grs(SEALED)                                                  |
| UL File No.                                                       | E179944                                                                    |

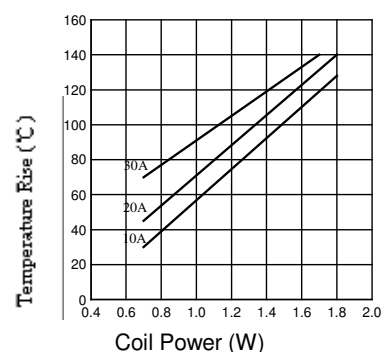
## 9.REFERENCE DATA

OPEN-STYLE RELAY,

NO DUST COVER



SEALED RELAY



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for [songle relay](#) manufacturer:***

Other Similar products are found below :

[SLA-24VDC-SL-C](#) [SRD-DC9V-SL-C](#) [SLE-12VDC-SL-2A](#) [SMI-24VDC-SL-2C](#) [SLA-5VDC-SL-C](#) [SLA-5VDC-SL-A](#) [SRD-DC5V-SL-C](#)  
[SLC-5VDC-SL-C](#) [SLC-12VDC-SL-C](#) [SRD-DC24V-SL-A](#) [SRD-DC3V-SL-C](#) [SMI-05VDC-SD-2C](#) [SRD-DC12V-SL-C](#) [SMIH-09VDC-SL-C](#)  
[SRE-24VDC-SL-2C](#) [SMI-12VDC-SL-C10A250VAC](#) [ECC187904EU](#) [SLA-05VDC-SL-C](#) [SLC-05VDC-SL-A](#) [SLA-12VDC-SL-C](#) [SRD-](#)  
[DC24V-SL-C](#) [SLD-12VDC-1A](#) [SRU-12VDC-SL-C](#) [SRA-9VDC-CL](#) [SRD-09VDC-SL-C](#) [SRE-12VDC-SL-2C](#) [SRA-24VDC-CL](#) [SRD-](#)  
[03VDC-SL-C](#) [SRS-12VDC-SL](#) [SMI-12VDC-SL-2C](#) [SLC-24VDC-SL-A](#) [SRD-48VDC-SL-C](#) [SRD-24VDC-SL-A](#) [SRD-12VDC-SL-B](#) [SLC-](#)  
[24VDC-SL-C](#) [SRD-24VDC-SL-B](#) [SRD-5VDC-SL-B](#) [ECC187899EU](#) [SRD-12VDC-SL-A](#) [SRC-12VDC-SH](#) [SRA-12VDC-AL](#) [SRD-12VDC-](#)  
[SD-C](#) [SLA-24VDC-SL-A](#) [SRD-24VDC-SD-C](#) [SRA-05VDC-CL](#) [SRA-24VDC-CL\(20A\)](#) [SLA-12VDC-SL-A](#) [SRD-5VDC-SL-A](#) [SRD-](#)  
[24VDC-SL-C](#) [SRA-12VDC-CL](#)