



Series : Dual SSR

|                             |   |                                  |   |
|-----------------------------|---|----------------------------------|---|
| <p><b>Product image</b></p> | <p><b>Schematic</b></p> <p>~A1, ~A2, ~B1 &amp; ~B2 INPUT<br/>1, 2, 3 &amp; 4 OUTPUT</p> | <p><b>Mechanical drawing</b></p> | <p><b>Derating curve</b></p> <p>Ext.HS 0.2°C/W<br/>Ext.HS 1.2°C/W<br/>Ext.HS 0.2°C/W<br/>Ext.HS 0.4°C/W</p> <p>Use The Force Cooling For Current Rating</p> |
|-----------------------------|---|----------------------------------|---|

**Salient features:**

- \* Zero switching/random switching
- \* Transient over voltage protection(Optional)
- \* LED indicator showing relay ON status
- \* Opto-Isolation 4000VAC
- \* IP20 protection

**Electrical specifications :**

@TA=25°C

| Characteristics   | Units | Specification value   |                       |                       |                       |
|---|-------|-----------------------|-----------------------|-----------------------|-----------------------|
|   |       | 001SJAA481024<br>DPDT | 001SJAA481624<br>DPDT | 001SJAA482524<br>DPDT | 001SJAA484024<br>DPDT |
| Input Voltage Range   | Vac   | 18-24                 |                       |                       |                       |
| Maximum Pickup Voltage  | Vac   | 18                    |                       |                       |                       |
| Minimum Drop Out Voltage  | Vac   | 8.0                   |                       |                       |                       |
| Control Current Range   | mA    | 5 - 8                 |                       |                       |                       |
| Typical Input Current Range<br>@ 24Vac                          | mA    | 8.0                   |                       |                       |                       |
| RMS On State Current (IT)                                       | A     | 10X2                  | 16X2                  | 25X2                  | 40X2                  |
| Main Control Voltage (VRMS)                                     | Vac   | 48 - 480              | 48 - 480              | 48 - 480              | 48 - 480              |
| Switching configuration   | ---   | DPDT-NO               | DPDT-NO               | DPDT-NO               | DPDT-NO               |
| Repetitive Peak Off State Voltage (VDRM)                        | Vac   | 800                   | 800                   | 800                   | 800                   |
| Non Repetitive Surge Current (1 cycle surge)                    | A     | 83                    | 300                   | 800                   | 800                   |
| Fusing Current (I²t)  | A²s   | 41                    | 510                   | 3745                  | 3745                  |
| Holding Current (IH)  | mA    | 30                    | 50                    | 80                    | 80                    |
| Critical Rise of Off State Voltage DV/DT                        | V/μs  | 200                   | 300                   | 475                   | 475                   |
| RMS On State Voltage Drop across SSR O/P at rated Current (VTM) | Vac   | 1.60                  | 1.60                  | 1.80                  | 1.80                  |
| Off State Leakage Current (IDRM)                                | mA    | 10                    | 10                    | 10                    | 10                    |
| Zero Turn On Voltage  | Vpk   | 15                    | 15                    | 15                    | 15                    |
| Maximum Turn-On Time  | ms    | 40                    | 40                    | 40                    | 40                    |
| Maximum Turn-Off Time   | ms    | 80                    | 80                    | 80                    | 80                    |
| Operating Temperature   | °C    | -30 to +80            | -30 to +80            | -30 to +80            | -30 to +80            |
| Storage Temperature   | °C    | -30 to +100           | -30 to +100           | -30 to +100           | -30 to +100           |
| Dielectric Strength VISO  | Vac   | 4000                  | 4000                  | 4000                  | 4000                  |
| Thermal Resistance Junction to Case                             | °C/W  | 3.0                   | 2.35                  | 0.86                  | 0.86                  |
| Frequency Range   | Hz    | 47-63                 | 47-63                 | 47-63                 | 47-63                 |

Input

Output