# **Solid State Relay**



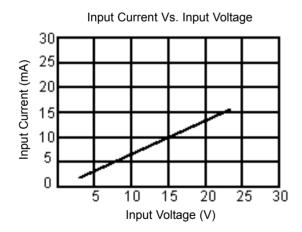


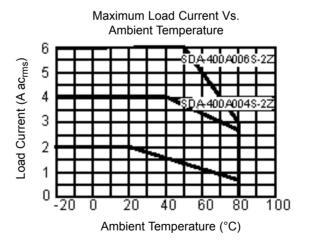
### **Specification Table**

Control Voltage	Must Turn off Voltage	Input Impedance	Loading Current	Loading Voltage	Minimum Blocking Voltage	Maximum off-State Leakage	Frequency Range	Maximum 1-Cycle Peak Surge	Part Number
3 - 32 V dc	Maximum 1 V dc	1.5 ΚΩ	4 A	24 to 480 V ac	1,200 V ac	Less 3 mA	47-70 Hz	40 A	SDA-400A004S-2Z
			6 A					60 A	SDA-400A006S-2Z

	Maximum off State dv / dt	Maximum on-State Voltage Drop	Isolate Impedance	Dielectric Strength Input-Output	Dielectric Strength Input, Output-case	Turn on Time	Turn off Time	Capacitance In-Out	Weight (g)	Part Number
1,000 V / µs	1 000 V / us	2 V <sub>rms</sub>	10 <sup>9</sup> Ω	2,500		Less	Less 1/2 AC	Less 15 pF	12 a	SDA-400A004S-2Z
	∠ vrms	10, 75	V ac <sub>rms</sub>	-	2 ms	Cycle	LC33 13 pi	129	SDA-400A006S-2Z	

#### **Characteristic Curves**





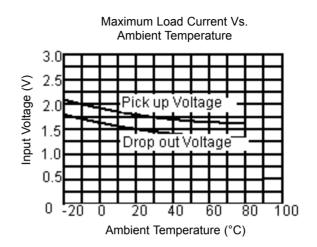
## **Solid State Relay**



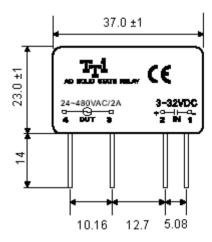
#### **Characteristic Curves**

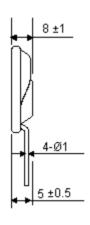
Peak Surge Current Vs. Duration

(V) 10 (1) SDA200A0068-2Z (2) SDA200A0048-2Z (2) SDA200A

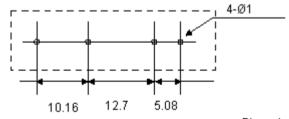


### **Outline Dimensions (Unit: mm)**



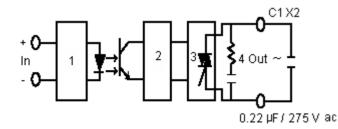


#### SIP of Seal Series



Dimensions : Millimetres

#### **Equivalent Circuit**



- 1. Input Circuit
- 2. Zero-Crossing Circuit
- 3. Output Circuit
- 4. Protected Circuit

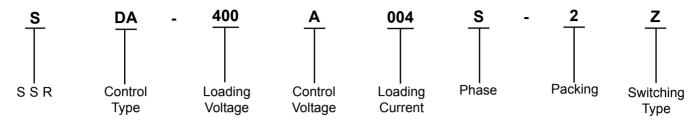
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## **Solid State Relay**



#### **Part Number Explanation:**



**S** : S = S S R

Control Type : DA = DC Control ac
Loading Voltage : 400 = 24 to 480 V ac
Control Voltage : A = 3-32 V dc
Loading Current : 004 = 4 A, 006 = 6 A
Phase : S = Single phase
Packing : 2 = SIP of Seal type
Switching Type : Z = Zero-crossing

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