

Solid State Relay



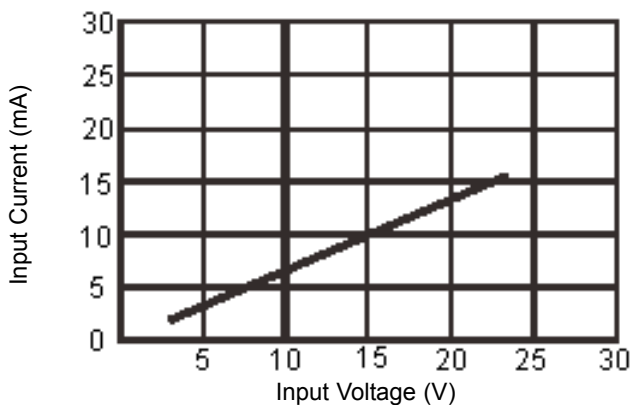
Specification Table

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
4 - 32 V dc	Maximum 1 V dc	1.5 K Ω	25 A	24 to 280 V ac	600 V ac	Less 3 mA	47-70 Hz	250 A	SDA-200B025S-1R
			40 A					400 A	SDA-200B040S-1R
			50 A					500 A	SDA-200B050S-1R

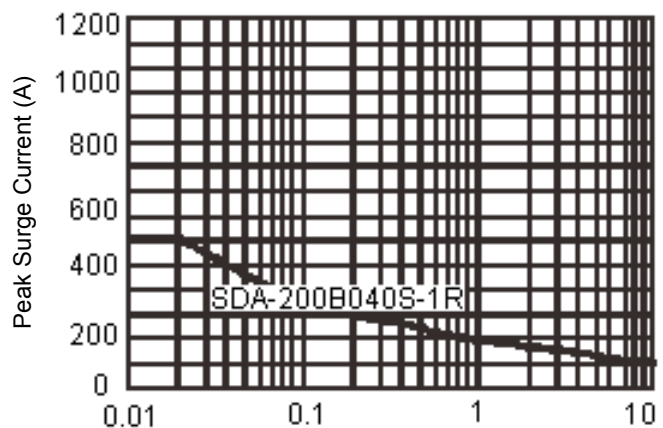
Maximum off State dv / dt	Maximum on-State Voltage Drop	Isolate Impedance	Dielectric Strength Input-Output	Dielectric Strength Input, Output-case	Turn on Time	Turn off Time	Capacitance In-Out	Weight (g)	Part Number
500 V / μ s	2 V _{rms}	10 ⁹ Ω	4,000 V ac _{rms}	4,000 V ac _{rms}	Less 2 ms	Less 1/2 AC Cycle	Less 15 pF	100 g	SDA-200B025S-1R
									SDA-200B040S-1R
									SDA-200B050S-1R

Characteristic Curves

Input Current Vs. Input Voltage

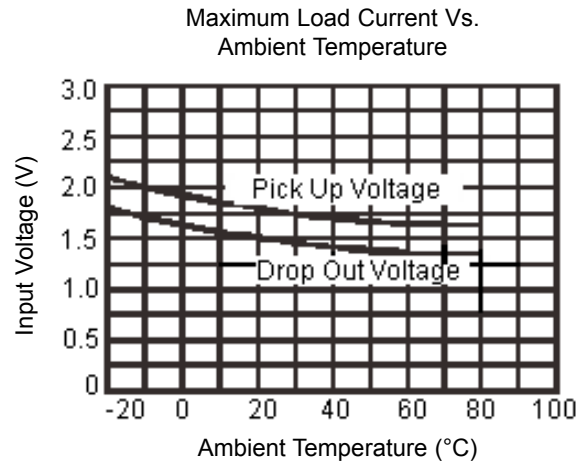
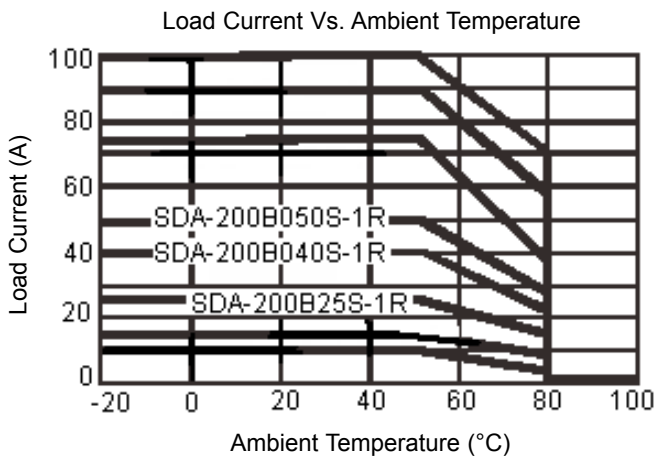


Peak Surge Current Vs. Duration

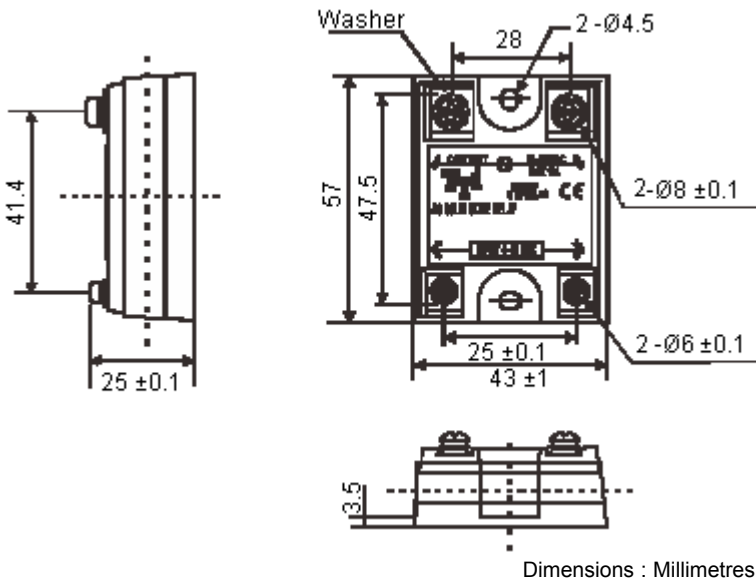


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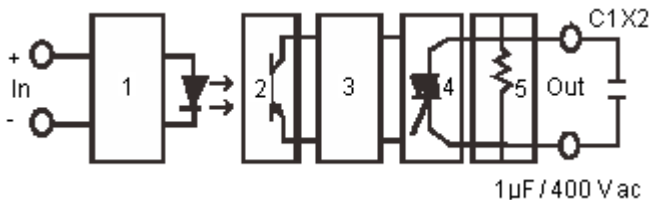
Characteristic Curves



Outline Dimensions (Unit : mm)



Equivalent Circuit

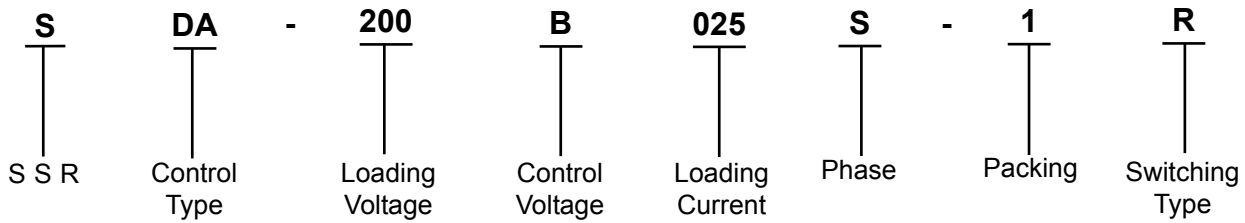


1. Input Circuit
2. Photo Detector
3. Random Switching Circuit
4. Output Circuit
5. Protect Circuit

Solid State Relay



Part Number Explanation:



S	: S = S S R
Control Type	: DA = DC Control ac
Loading Voltage	: 200 = 24 to 280 V ac
Control Voltage	: B = 4-32 V dc
Loading Current	: 025 = 25 A, 040 = 40 A and 050 = 50 A
Phase	: S = Single phase
Packing	: 1 = Screw type
Switching Type	: R = Random switching

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