

# SSR25A SERIES



**PART NUMBER:**  
SSR25A-CH-480V-DCSP(S)

**FEATURES:**  
25 amp with snubber • 48 - 480 volts switching • Low noise zero volt turn on • DC trigger  
Input status LED • 4.3mm or 6.2mm terminals • Safety cover included

**MECHANICAL DRAWING**

Top View Dimensions:  
 Total width: 57.0 ± 0.50  
 Terminal spacing: 47.5 ± 0.15  
 Terminal width: 6.5  
 Mounting hole diameter: 6.3  
 Mounting hole offset: 6.3  
 Total height: 29.7  
 Terminal offset: 27.5  
 Terminal width: 6.1

Side View Dimensions:  
 Total height: 30.0 (MAX)  
 Mounting hole offset: 20  
 Mounting hole diameter: 0.8

**DERATING CURVE\***  
\*WITH APPROPRIATE HEATSINK

Ambient Temperature (°C)	Current Capacity (AMPS)
0	25
10	25
20	25
30	23
40	20
50	17
60	14
70	11
80	8

## SPECIFICATIONS:

	PARAMETER	SYMBOL	UNIT	INFORMATION
<b>INPUT</b>	Input Voltage Range		Vdc	3 - 32
	Control Current Range		mA	1 - 2
	Pick-Up Voltage		Vdc	3.0
	Drop-Out Voltage		Vdc	1.0
<b>OUTPUT</b>	Mains Control Volt		Vac	48 - 480
	Repetitive Peak Off State Voltage		Vpk	800
	On-State Voltage Drop		Vac	1.6
	Off-State Leakage Current @ Rated Voltage		mA	10
	Peak One Cycle Surge Current (No-Rrep)		A	250
	Holding Current		mA	150
	Critical Rate of Rise of off State Voltage		V/μs	500
	Frequency Range		Hz	47 ~ 63
	Storage Temperature		°C	- 30 to + 100
	Operating Temperature		°C	- 30 to + 80
Fusing Current		A²S	340	