

AC Solid State Relay



S5

SERIES



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Features

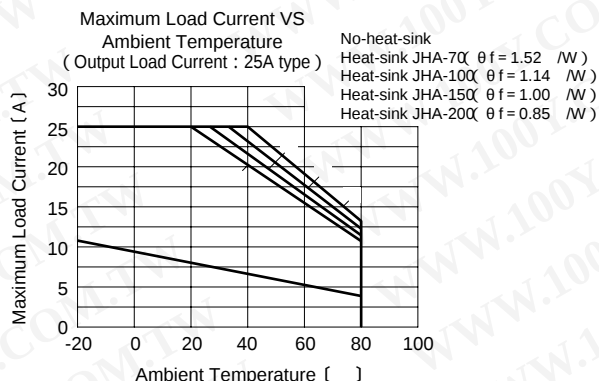
- Small size, medium power SSR
- Max. load current at 25A
- Dielectric strength between input and output at 3,000V/1 min.
- Wider input voltage (L, M, H)
- UL/CSA/VDE/TÜV standard approved
- Optional heat-sink available (P.67)

Type Information

S	5	C	-	2	2	5	L	V
Zero-cross-circuit	Standard load voltage	Max. load current		Input voltage range	Approved Standard			
C : Built-in N : Not Built-in (*)	2 : 100V, 200	25 : 25A		L : DC4 ~ 8V M : DC8 ~ 18V H : DC18 ~ 28V	V : UL, CSA, VDE, TÜV approved			

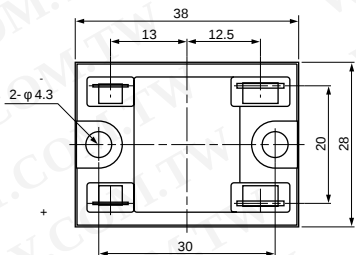
* Manufactured to order

Characteristics

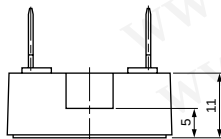
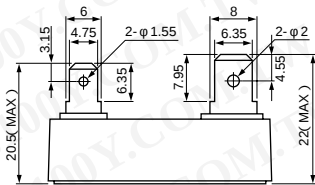


Description in the catalogue is subject to change without notice. Please read the specifications thoroughly before using.
 Please contact JEL SYSTEM for further information.

Dimensions (mm)



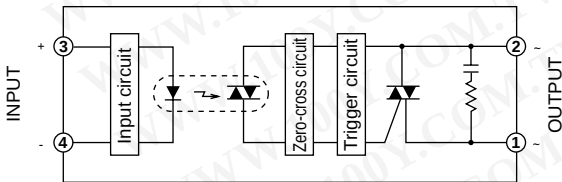
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Torque range
Outer case 1.5 N · m(MAX)

(1, 2 : Faston terminal # 250 t = 0.8 Tin plate
3, 4 : Faston terminal # 187 t = 0.5 Tin plate)

Equivalent Circuit



Model	Zero-cross-circuit
S5C-225 * *	○
S5N-225 * *	×

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■ Ratings

(Ta = 25)

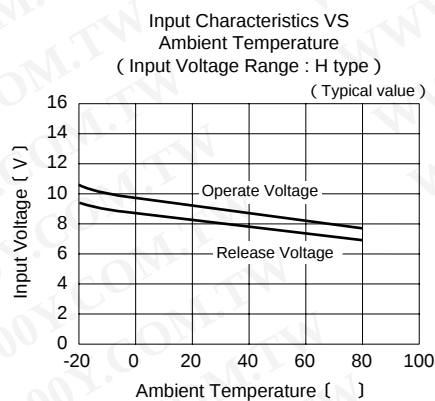
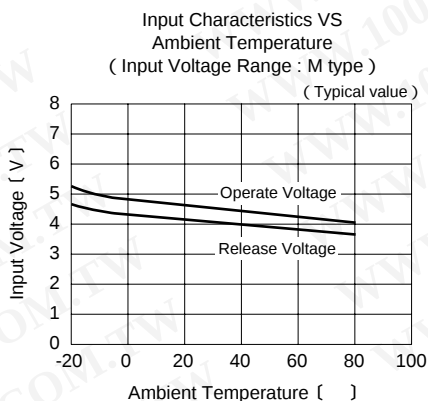
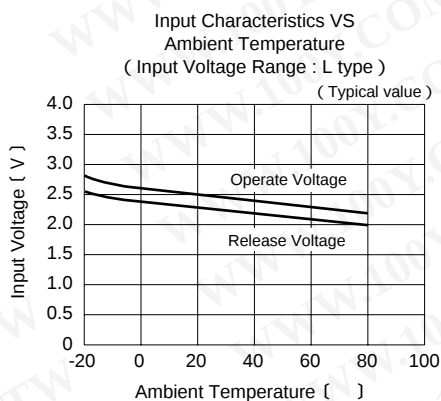
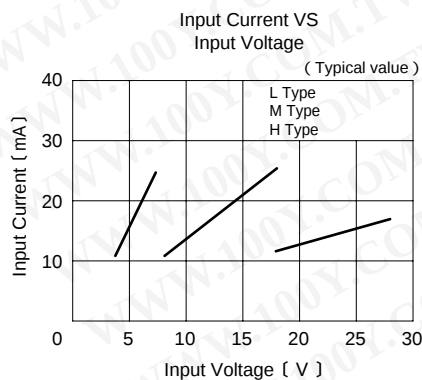
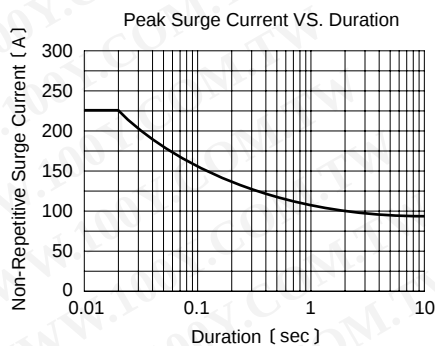
	Item	Symbols	S5C-225LV	S5C-225MV	S5C-225HV	S5N-225LV	S5N-225MV	S5N-225HV	Units
Output	Rated Load Voltage	—	120、240						V _{ACrms}
	Maximum Load Current	I _{OMAX}	25						A _{ACrms}
	Maximum Load Voltage	V _{OMAX}	264						V _{ACrms}
	Peak Repetitive Off State Voltage	V _{DRM}	600						V
	Peak 1 Cycle Surge Current	I _{SURGE}	225 (50Hz)						A
	Frequency	f	50、60						Hz
Input	Maximum Input Voltage	V _{IMAX}	8	18	28	8	18	28	V _{DC}
	Input Impedance	R _{IN}	270 ± 20 %	680 ± 20 %	1500 ± 20 %	270 ± 20 %	680 ± 20 %	1500 ± 20 %	Ω
General	Dielectric Strength	V _{ISO}	3,000 / 1min. (Between input-output-case)(Rh40 ~ 60 %)						V _{ACrms}
	Isolation Resistance	R _{ISO}	10 ⁸ and above DC500V (Between input-output-case)(Rh40 ~ 60 %)						Ω
	Operating Temperature Range	T _{OPR}	- 20 ~ + 80						
	Storage Temperature Range	T _{STG}	- 30 ~ + 100						

■ Electrical Characteristics

(Ta = 25)

	Item	Symbols	S5C-225LV	S5C-225MV	S5C-225HV	S5N-225LV	S5N-225MV	S5N-225HV	Units
Output	Load Voltage Range	V _O	35 ~ 264						V _{ACrms}
	Off State Leakage Current	I _{LEK}	5.0 and below (V _O = 200V)						mA _{ACrms}
	On State Voltage Drop	V _{SAT}	1.5 and below						V _{ACrms}
	Minimum Load Current	I _{OMIN}	100						mA
Input	Input Voltage Range	V _I	4 ~ 8	8 ~ 18	18 ~ 28	4 ~ 8	8 ~ 18	18 ~ 28	V _{DC}
	Operate Voltage	V _P	4 and below	8 and below	18 and below	4 and below	8 and below	18 and below	V _{DC}
	Release Voltage	V _D	1 and above						V _{DC}
General	Operate Time	T _{ON}	1/2 Cycle + 1 ms and below			1ms and below			
	Release Time	T _{OFF}	1/2 Cycle + 1 ms and below						
	Capacitance	C _{IO}	80 and below						PF
	Zero Cross Turn On		Built In			Not Built In			
	Approved Standards		UL、CSA、VDE、TÜV						

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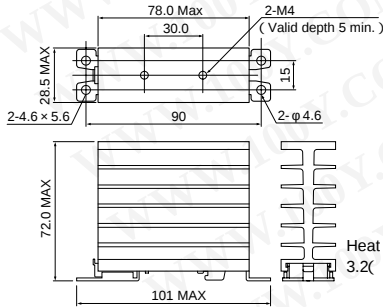
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Option

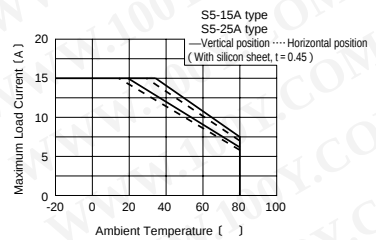
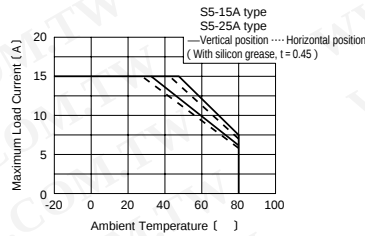
Heat-sink

Model	JHC-28-1
SUITABLE SSR	S5C Series

• Dimensions

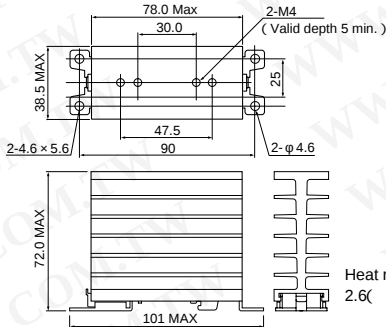


• Maximum Load Current VS Ambient Temperature

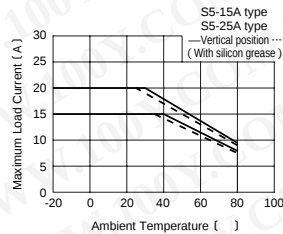


Model	JHC-38-1
SUITABLE SSR	S5C Series

• Dimensions

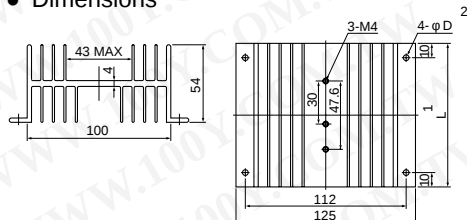


• Maximum Load Current VS Ambient Temperature



Model	JHA-□□□
SUITABLE SSR	S5C Series

• Dimensions



Model	Heat Resistance (/W)	1 L (mm) Dimensions	2 D (mm) Dimensions
JHA-70	1.52	70	4
JHA-100	1.14	100	4
JHA-150	1.00	150	4.5
JHA-200	0.85	200	4

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