

S25H RELAY

SHORI

◆ Features

- 30A general purpose power relay
- SPDT and DPDT contact configurations
- DC and AC coil
- Socket and PCB terminal available

◆ Coil Data (DC)

Rated voltage (V)	Coil Resistance $\pm 10\%$ at 25 °C (Ω)	Rated Current $\pm 10\%$ (mA)	Pick up Voltage (Max)	Drop out Voltage (Min)	Max continuous Voltage	Power consumption At rated Voltage
6	29.5	188	95% of rated voltage	10% of rated voltage	110% Max of Rated voltage	Approx. 1.2W
12	120	100				
24	472	51				
48	1800	27				
110	10000	11				
125	10000	12.5				

◆ Coil Data (AC)

Rated voltage (V)	Coil Resistance $\pm 10\%$ at 25 °C (Ω)	Pick up Voltage (Max)	Drop out Voltage (Min)	Max continuous Voltage	Power consumption At rated Voltage
6	4.43	85% of rated voltage	30% of rated voltage	110% Max of Rated voltage	Approx. 3.0VA
12	17.7				
24	72				
120	1630				
230	6600				
240	7200				
277	9000				

◆ Contact Rating

Resistive load	30A/250VAC, 20A/28VDC
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◆ Ordering information

S25H - 12VDC -2CS- F

1 2 3 4 5

- 1. S25H -- Basic series designation
- 2. 12VDC -- Coil Voltage
- 3. 1A -- Single pole normally open
 - 1B -- Single pole normally closed
 - 1C -- Single pole double throw
 - 2A -- Double pole normally open
 - 2B -- Double pole normally closed
 - 2C -- Double pole double throw
- 4. S -- Quick connect terminals
 - P -- PCB terminals
- 5. Blank --Standard type
 - F -- Class F

◆ Specification

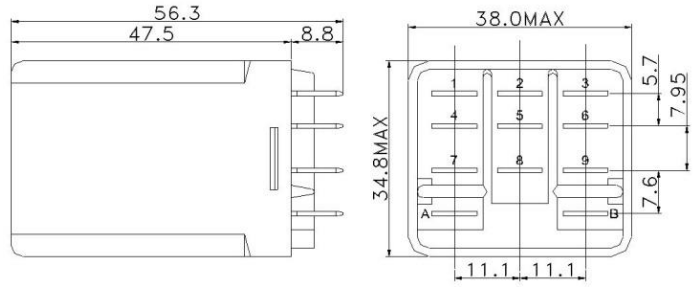
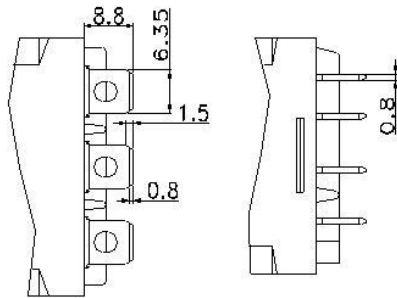
Contact material	Ag Alloy	
Contact resistance	100 mΩ Max	
Operate time	25 ms Max	
Release time	20 ms Max	
Insulation resistance	100 MΩ Min. (DC 500V)	
Dielectric strength	Between open contact : AC1500V ,50/60Hz 1 min.	
	Between contact and coil : AC 3000V, 50/60Hz 1 min.	
	Between contact circuits : AC 3000V, 50/60Hz 1 min	
Vibration resistance	Operating extremes	10~50Hz, amplitude 1.5 mm
	Damage limits	10~50Hz, amplitude 1.5 mm
Shock resistance	Operating extremes	10G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	NO:50,000 operations; NC:10,000 operations (frequency 360 operations/hr)
Operating ambient temperature	-30~+55°C (no freezing)	

S25H RELAY

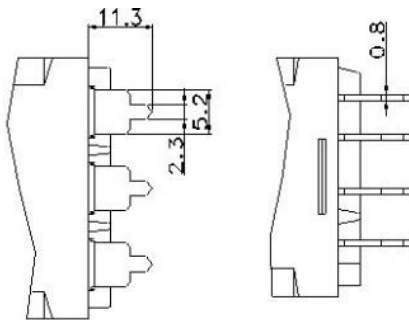
SHORT

◆ Outline Dimension

S25H(S)



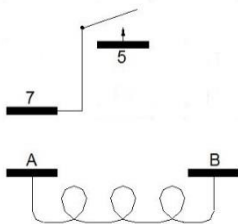
S25H(P)



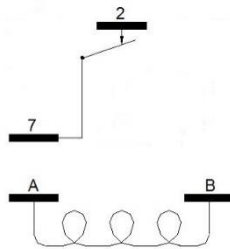
◆ Wiring Diagram

BOTTOM VIEW

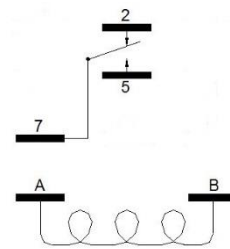
1A



1B



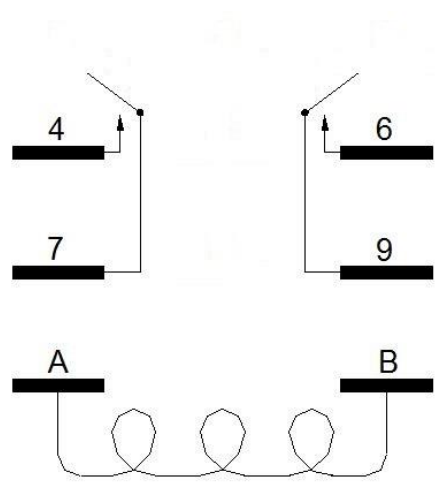
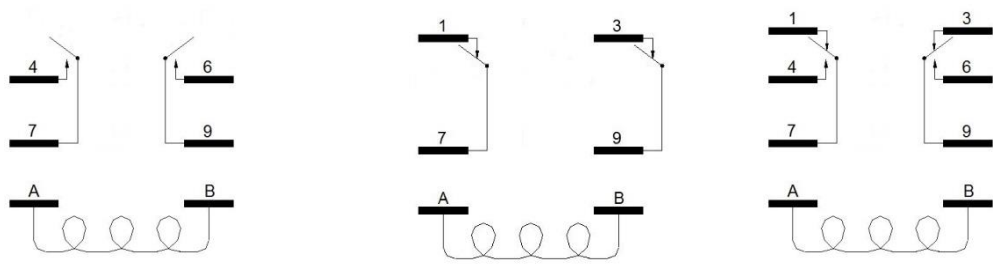
1C



2A

2B

2C



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