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SONG CHUAN

855A

Features

- 30A general purpose Power Relays.
- UL Class F and 10KV surge.
- With & without quick terminals on top.
- SPNO, SPNC, SPDT contact configurations.
- Open frame, dust cover sealed flux free & sealed washable flange cover etc. are both available.
- Comply with RoHS-Directive 2011/65/EU.

Type List

◆855AP

Terminal style	Contact form	UL Insulation system approval	Designation (provided with)		
			Flux tight	Sealed type	Sealed type washable
P (PCB terminal)	1A (SPNO)	--------	855AP-1A-C	855AP-1A-V	855AP-1A-S
		F	855AP-1A-F-C	855AP-1A-F-V	855AP-1A-F-S
		--------	855AP-1A-C-B	855AP-1A-V-B	855AP-1A-S-B
		F	855AP-1A-F-C-B	855AP-1A-F-V-B	855AP-1A-F-S-B
	1C (SPDT)	--------	855AP-1C-C	855AP-1C-V	855AP-1C-S
		F	855AP-1C-F-C	855AP-1C-F-V	855AP-1C-F-S
		--------	855AP-1C-C-B	855AP-1C-V-B	855AP-1C-S-B
		F	855AP-1C-F-C-B	855AP-1C-F-V-B	855AP-1C-F-S-B

◆855AW

Terminal style	Contact form	Insulation system	Designation
			Flanged cover
W (quick terminal)	1A (SPNO)	--------	855AW-1A-C1
		F	855AW-1A-F-C1
		--------	855AW-1A-C1-B
		F	855AW-1A-F-C1-B
	1C (SPDT)	--------	855AW-1C-C1
		F	855AW-1C-F-C1
		--------	855AW-1C-C1-B
		F	855AW-1C-F-C1-B

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◆855AWP

Terminal style	Contact form	Insulation system	Designation		
			Flux tight	Sealed type	Sealed type washable
WP (PCB terminal & quick terminal)	1A (SPNO)	--------	855AWP-1A-C	855AWP-1A-V	855AWP-1A-S
		F	855AWP-1A-F-C	855AWP-1A-F-V	855AWP-1A-F-S
		--------	855AWP-1A-C-B	855AWP-1A-V-B	855AWP-1A-S-B
		F	855AWP-1A-F-C-B	855AWP-1A-F-V-B	855AWP-1A-F-S-B
	1C (SPDT)	--------	855AWP-1C-C	855AWP-1C-V	855AWP-1C-S
		F	855AWP-1C-F-C	855AWP-1C-F-V	855AWP-1C-F-S
		--------	855AWP-1C-C-B	855AWP-1C-V-B	855AWP-1C-S-B
		F	855AWP-1C-F-C-B	855AWP-1C-F-V-B	855AWP-1C-F-S-B

◆855AWP

Terminal style	Contact form	Insulation system	Designation	
			Flux tight cover without shroud	Sealed type washable without shroud
WP (PCB terminal & quick terminal)	1A (SPNO)	--------	855AWP-1A-C2	855AWP-1A-S2
		F	855AWP-1A-F-C2	855AWP-1A-F-S2
		--------	855AWP-1A-C2-B	855AWP-1A-S2-B
		F	855AWP-1A-F-C2-B	855AWP-1A-F-S2-B
	1C (SPDT)	--------	855AWP-1C-C2	855AWP-1C-S2
		F	855AWP-1C-F-C2	855AWP-1C-F-S2
		--------	855AWP-1C-C2-B	855AWP-1C-S2-B
		F	855AWP-1C-F-C2-B	855AWP-1C-F-S2-B

Ordering Information

855A W - 1A - □ - □ - □ □

1 2 3 4 5 6 7

1. 855A -- Basic series designation
2. W -- Quick terminals
   P -- PCB terminals
   WP -- Quick and PCB terminals
3. 1A -- Single pole normally open
   1B -- Single pole normally closed
   1C -- Single pole double throw
4. Blank -- Standard type
   F -- Class F
5. Blank -- Open type
   C -- Flux tight
   V -- Sealed type
   S -- Sealed type washable
   C1 -- Flanged cover
   C2 -- Flux tight cover without shroud
   S2 -- Sealed type washable without shroud
6. Blank -- Standard type
   B -- With insulation barrier
7. □ -- Coil voltage (please refer to the coil rating data for the availability)

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855A

Contact Rating

Load type	1A	1B	1C
Resistive load	30A 240VAC	15A 240VAC	NC/NO:10A/20A 240VAC

Coil Rating (DC)

Rated voltage (V)	Rated current ±10 % at 23°C (mA)	Coil resistance ±10 % at 23°C (Ω)	Max. continuous voltage at 85°C	Pick up voltage(Max.) at 23°C	Drop out voltage(Min.) at 23°C	Power consumption at rated voltage
5	185	27	130 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.93W
6	150	40				
9	93	97				
12	77	155				
18	47	380				
24	36	660				
36	25	1,440				
48	19	2,560				
110	8	13,400				

Specification

Contact material	AgSnO alloy	
Contact resistance (1)	50mΩ Max. (1A/6VDC by 4 pipes mΩ meter)	
Operate time (1)	15 ms Max.	
Release time (1)	15 ms Max.	
Insulation resistance (1)	100 MΩ Min. (DC 500V)	
Dielectric strength (1)	Between open contact : AC 1500V, 50/60Hz 1 min.	
	Between contact and coil : AC 2000V, 50/60Hz 1min. : AC 2500V, 50/60Hz 1min.(Only for with insulation barrier)	
Vibration resistance	Operating extremes	10～55Hz, amplitude 1.5 mm
	Damage limits	10～55Hz, 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	100,000 operations (frequency 1,800 operations/hr)
Operating ambient temperature	-55～+85°C (no freezing) (2)	
Weight	Approx. 25.5g (P), 36g (W), 30g (WP)	

Note : (1) initial value (2) -55 ~ +105°C is available.