



895



»» Features

- Low profile PCB automotive relay.
- High rating 20A/14VDC ; motor load 5A/14VDC ; maximum carry current up to 35A.
- Optional SPNO, SPDT, DPNO contact configurations.
- General purpose application for motor control for power window, sunroof, door lock, and flasher control, etc.
- Comply with RoHS-Directive 2011/65/EU, and ELV-Directive 2000/53/EC.

»» Type List

Terminal style	Contact form	Designation (provided with)	
		Flux tight	Sealed type washable
PCB terminal	1A (SPNO)	895-1A-C	895-1A-S
		895-1A-C-H	895-1A-S-H
	1C (SPDT)	895-1C-C	895-1C-S
		895-1C-C-H	895-1C-S-H
		895-2A-C	895-2A-S

»» Ordering Information

895 - 1A - C - H
 1 2 3 4

- | | |
|--|---|
| <p>1. 895 -- Basic series designation</p> <p>2. 1A -- Single pole normally open
 1C -- Single pole double throw
 2A -- Single pole normally open with two N.O. terminals</p> | <p>3. C -- Flux tight
 S -- Sealed type washable</p> <p>4. Blank -- Standard type
 H -- Enlarge contact spacing</p> |
|--|---|

»» Contact Rating

◆ 1P

Resistive load	NC : 10A 14VDC , NO : 20A 14VDC , on 1 sec , off 9 sec , 100,000 ops.
Motor load	5A 14VDC Inrush 25A , on 0.5 sec , off 9.5 sec , 200,000 ops.
Max. carry current	35A/2min. , 25A/1hr (25°C nominal voltage) 30A/2min. , 20A/1hr (85°C nominal voltage)

◆ 2A

Lamp load	2 NO 21WX6 Lamps 14VDC
Max. carry current	2X6A (25°C nominal voltage) 2X4A (85°C nominal voltage)

»» Coil Rating (DC)

◆ 1P

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	128	39	120% of rated voltage	60% of rated voltage	8% of rated voltage	approx. 0.64W
9	71.1	127				
12	53.3	225				
24	26.7	900				

◆ 2A

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
9	111.1	81	110 % of rated voltage	60 % of rated voltage	8 % of rated voltage	approx. 1.0W
12	83.3	144				

◆ 1P(-H)

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
12	67.4	178	120 % of rated voltage	60% of rated voltage	8% of rated voltage	approx. 0.8W
24	33.3	720				

»» Specification

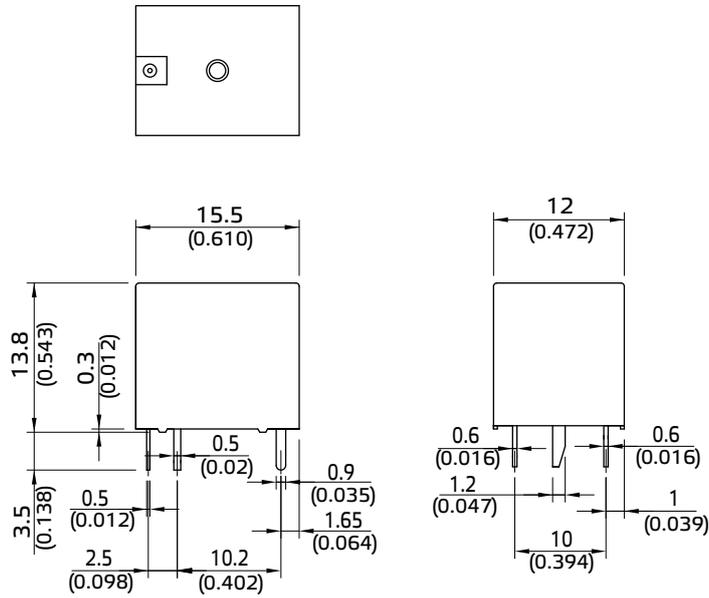
Contact material	AgSnO alloy	
Contact voltage drop ⁽¹⁾	Typ. 80mV at 10A	
Operate time ⁽¹⁾	10ms Max.	
Release time ⁽¹⁾	5ms Max.	
Insulation resistance ⁽¹⁾	100MΩ Min. (DC 500V)	
Dielectric strength ⁽¹⁾	Between open contact	: AC 500V , 50/60Hz 1 min.
	Between contact and coil	: AC 500V , 50/60Hz 1 min.
Vibration resistance	Operating extremes	10~500Hz 4.4G
	Damage limits	10~500Hz 4.4G
Shock resistance	Operating extremes	10G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (for 2A) (frequency 240 operations/hr)
Operating ambient temperature	-40~+85°C (no freezing)	
Weight	Approx. 6 g	

Note : (1) initial value. Operate and release time excluding contact bounce.



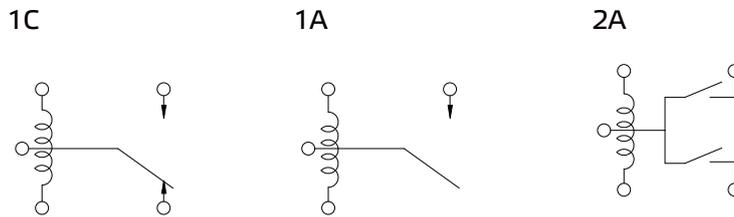
895

»» Outline Dimensions



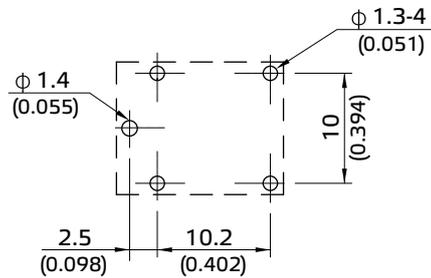
»» Wiring Diagram

BOTTOM VIEW

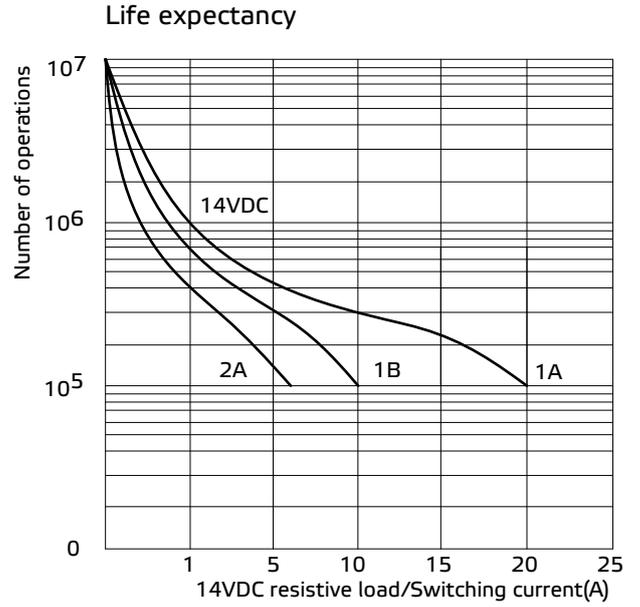
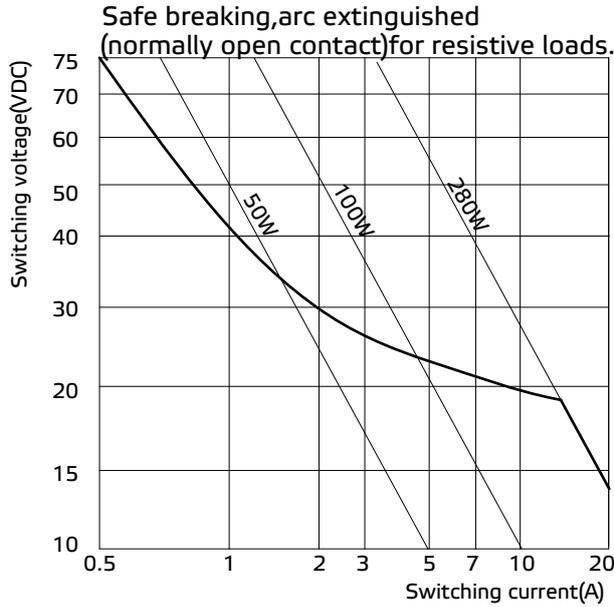


»» PC Board Layout

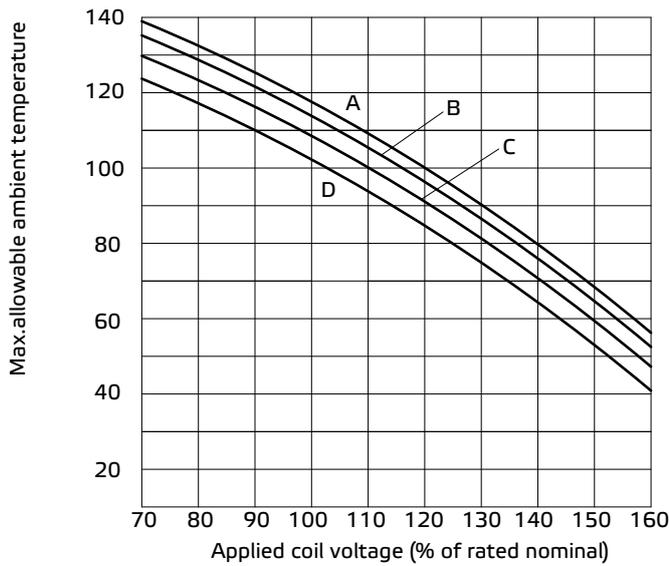
BOTTOM VIEW



»» Engineering Data

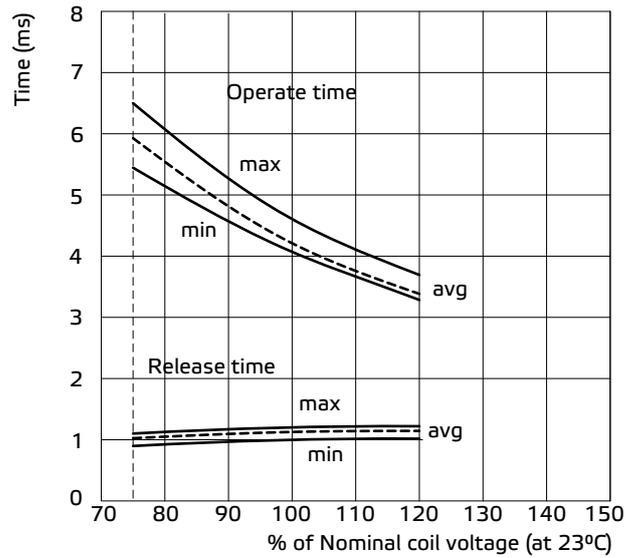


Ambient temperature vs coil voltage for continuous duty



A:5A B:10A C:15A D:20A Contact load(resistive)
Maximum mean coil temperature=155°C

Operate time/Release time



Disclaimer

All technical performance data apply to the relay as such, specific conditions of the individual application are not considered. Please always check the suitability of the relay for your intended purpose. We do not assume any responsibility or liability for not complying herewith. We recommend to complete our questionnaire and to request our technical service. Any responsibility for the application of the product remains with the customer only. All specifications are subject to change without notification. All rights of Song Chuan are reserved.