



### »» Features

- Miniature PCB automotive relay.
- High rating 20A/14VDC ; motor load 5A/14VDC ; maximum carry current up to 35A.
- Optional SPNO, SPDT, DPNO contact configurations.
- Available for sealed flux free and sealed washable versions.
- General purpose application for motor control for power window, sunroof, door lock, and flashing lamp control, etc.

### »» Type List

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

### »» Ordering Information

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

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

### »» 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 $\pm 10\%$ at 23 °C (mA)	Coil resistance $\pm 10\%$ at 23 °C ( $\Omega$ )	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 $\pm 10\%$ at 23 °C (mA)	Coil resistance $\pm 10\%$ at 23 °C ( $\Omega$ )	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	130% of rated voltage	60% of rated voltage	8% of rated voltage	approx. 1.0W
12	83.3	144				

## ◆ 1P(-H)

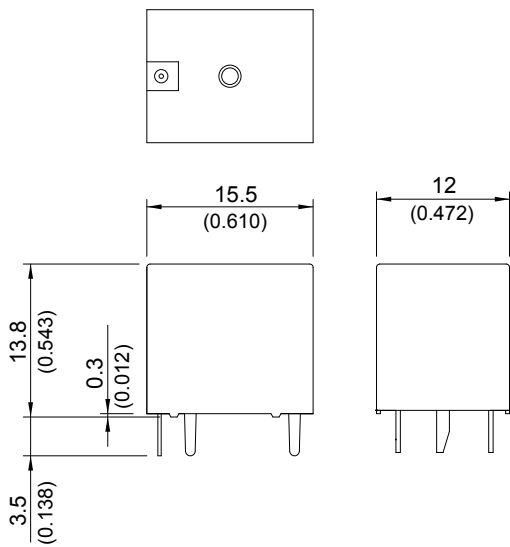
Rated voltage (V)	Rated current $\pm 10\%$ at 23 °C (mA)	Coil resistance $\pm 10\%$ at 23 °C ( $\Omega$ )	Max. continuous voltage at 85 °C	Pick up voltage(Max) at 23 °C	Drop out voltage(Min) at 23 °C	Power consumption at rated voltage
12	67.4	178	120% of rated voltage	60% of rated voltage	8% of rated voltage	approx. 0.8W
24	33.3	720				

## »» Specification

Contact material	AgSnO alloy	
Contact voltage drop <sup>(1)</sup>	Typ. 80mV at 10A	
Operate time <sup>(1)</sup>	10ms Max.	
Release time <sup>(1)</sup>	5ms Max.	
Insulation resistance <sup>(1)</sup>	100M $\Omega$ Min. (DC 500V)	
Dielectric strength <sup>(1)</sup>	Between open contact	: AC 500V , 50/60Hz 1 min.
	Between contact and coil	: AC 500V , 50/60Hz 1 min.
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 (for 2A) (frequency 240 operations/hr)
Operating ambient temperature	-40~+85 °C (no freezing)	
Weight	Approx. 6 g	

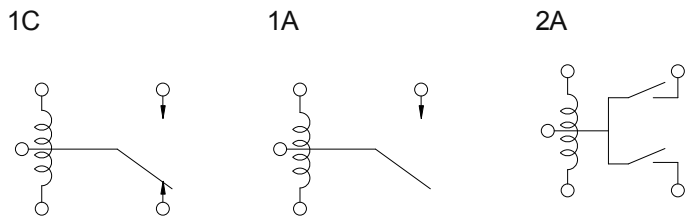
Note : (1) initial value

### »» Outline Dimensions



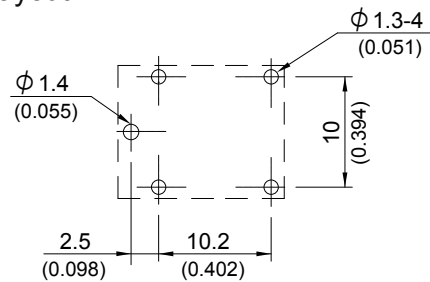
### »» Wiring Diagram

BOTTOM VIEW



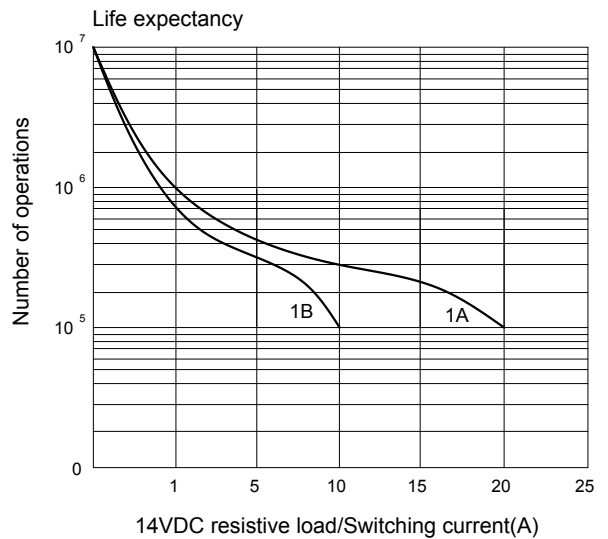
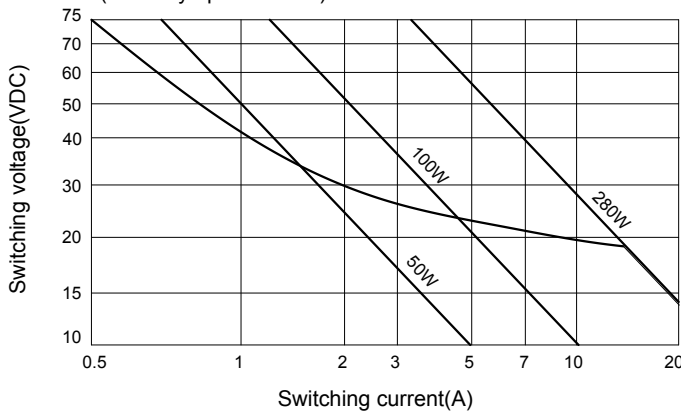
### »» PC Board Layout

BOTTOM VIEW

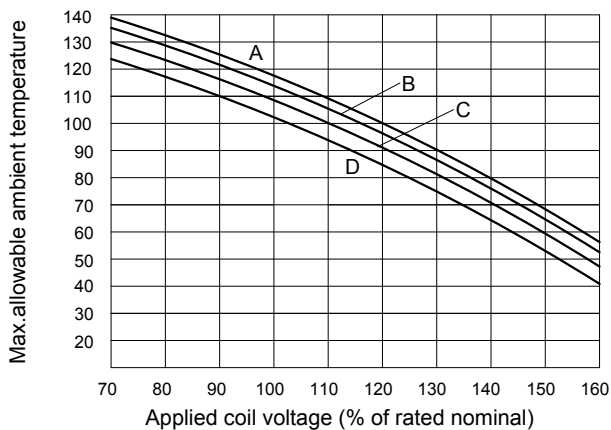


### »» Engineering Data

Safe breaking, arc extinguished  
(normally open contact) for resistive loads.



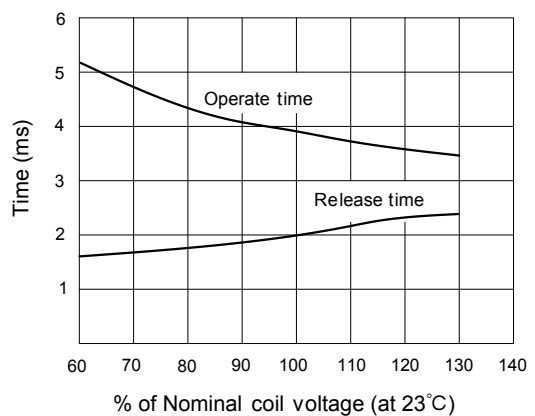
Ambient temperature vs coil voltage for continuous duty



A:5A B:10A C:15A D:20A Contact load(resistive)

Maximum mean coil temperature=155°C

Operate time/Release time



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Automotive Relays](#) category:*

*Click to view products by [Song Chuan](#) manufacturer:*

Other Similar products are found below :

[7-1414968-8](#) [7-1617345-6](#) [9-1617516-5](#) [G5CE1ASIDC12](#) [1393204-2](#) [1393302-3](#) [13Z99A115-0074](#) [1432872-1](#) [AR4-15F11-S01](#) [AR4-15H11](#)  
[1617057-2](#) [1617058-6](#) [1617518-5](#) [2-1617057-2](#) [2-1617057-6](#) [2-1617058-3](#) [CB1F-M-12V-H15](#) [898H-1AH-D-001-12VDC](#) [AR4-11F11](#)  
[AR4-15F11](#) [AR4-41F11](#) [24198-1](#) [4-1617057-0](#) [41FZ-200ACG-BSL](#) [5-1616920-2](#) [5-1617052-9](#) [5407-0011-HS](#) [CB1AF-M-12V-H59](#) [5-](#)  
[1617346-8](#) [103-1AH-C-12VDC](#) [V23134A1052X299](#) [6-1393302-1](#) [897H-1AH-D-R1-U01-12VDC](#) [FTR-P3CP024W1-06](#) [1-1617057-8](#) [3-](#)  
[1393305-1](#) [5436-0001-HS](#) [V23086-R1851-A502](#) [V23136-A0004-X075](#) [898H-1AH-D1SW-R1-12VDC](#) [RH4C1P2607](#) [RE031005](#)  
[V23134M0052G242](#) [1393204-1](#) [23234B0001X001-EV-144](#) [AZ979-1A-24D](#) [2-1904020-1](#) [V23134B0052C642](#) [V23134B0053C642](#) [V23234-](#)  
[A1001-X036](#)