



»» Features

- Forcibly guided contacts according to EN50205.
- 2 pole safety relay with "DPDT" or "SPNO & SPNC" contacts.
- Epoxy sealed type and sealed flux free are both available.
- Emergency shut-off, machine control, elevator and escalator control, light barrier control.
- Comply with RoHS-Directive 2011/65/EU.

»» Type List

Terminal style	Contact form	Designation (provided with)	
		Flux tight	Sealed type washable
PCB terminal	2C (DPDT)	S01-2CH-F-C	S01-2CH-F-S
		S01-2CHA-F-C	S01-2CHA-F-S
	2D (SPNO & SPNC)	S01-2DH-F-C	S01-2DH-F-S
		S01-2DHA-F-C	S01-2DHA-F-S

»» Ordering Information

S01 - 2C H - F - C XXVDC
 1 2 3 4 5 6

- | | |
|---|---|
| 1. S01 -- Basic series designation | 4. Blank -- Standard type |
| 2. 2C -- Double pole double throw | F -- Class F |
| 2D -- Single pole normally open & single pole normally closed | 5. C -- Flux tight |
| 3. H -- Contact material AgSnO | S -- Sealed type washable |
| HA -- Contact material AgSnO + Au | 6. XXVDC -- Coil voltage (please refer to the coil rating data for the availability). |

»» Contact Rating

Resistive load	8A 240VAC
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»» 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
3	233	12.9	150 % of rated voltage	75 % of rated voltage	5 % of rated voltage	approx. 0.7W
5	139	36				
6	118	51				
9	77.6	116				
12	58.3	206				
18	38.9	463				
24	29.2	823				
48	14.6	3291				
60	11.7	5143				
110	6.4	17286				



S01

»» Specification

Contact material	AgSnO alloy	
Contact resistance ⁽¹⁾	100mΩ Max.	
Operate time ⁽¹⁾	20ms Max.	
Release time ⁽¹⁾	15ms Max.	
Insulation resistance ⁽¹⁾	1000MΩ Min. (DC 500V)	
Dielectric strength ⁽¹⁾	Between open contact	: AC 2000V, 50/60Hz 1 min.
	Between contact and coil	: AC 4000V, 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	5,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (frequency 600 operations/hr)
Operating ambient temperature	-40 ~ +85° C (no freezing)	
Weight	Approx. 17 g	

Note : (1) initial value

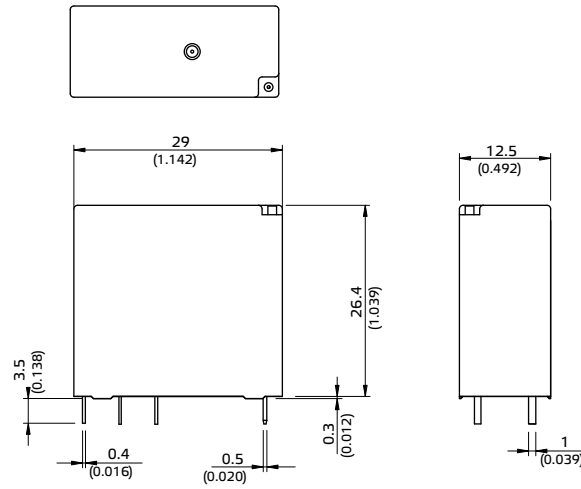
»» Safety Approval

Certified	UL / CUL	TUV
File No.	E74321	R50047782

»» Safety Approval Rating

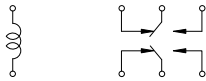
UL / CUL	TUV
8A 277VAC	8A 250VAC

»» Outline Dimensions

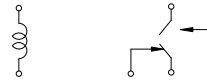


»» Wiring Diagram BOTTOM VIEW

2C

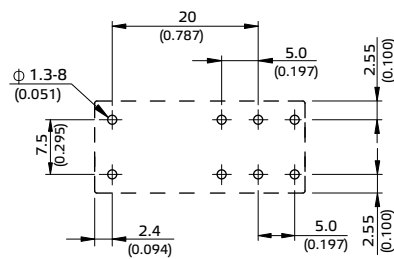


2D

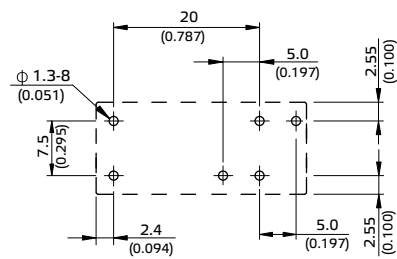


»» PC Board Layout BOTTOM VIEW

2C



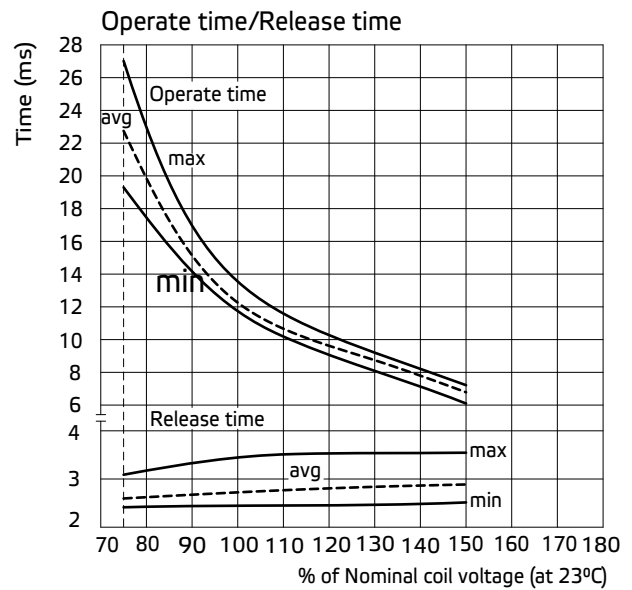
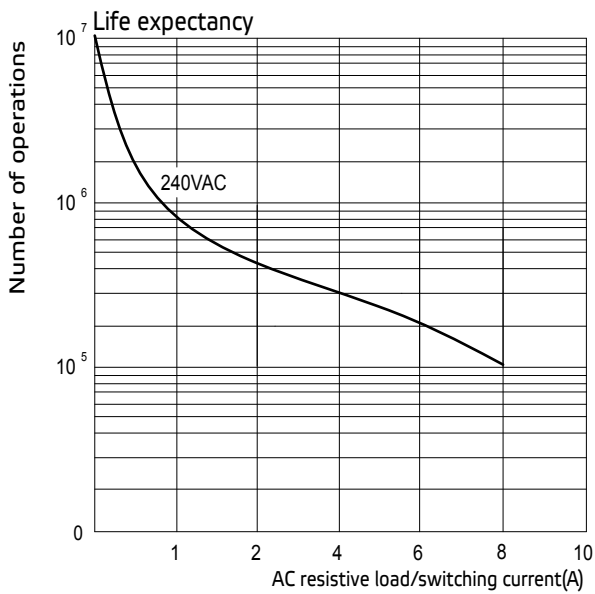
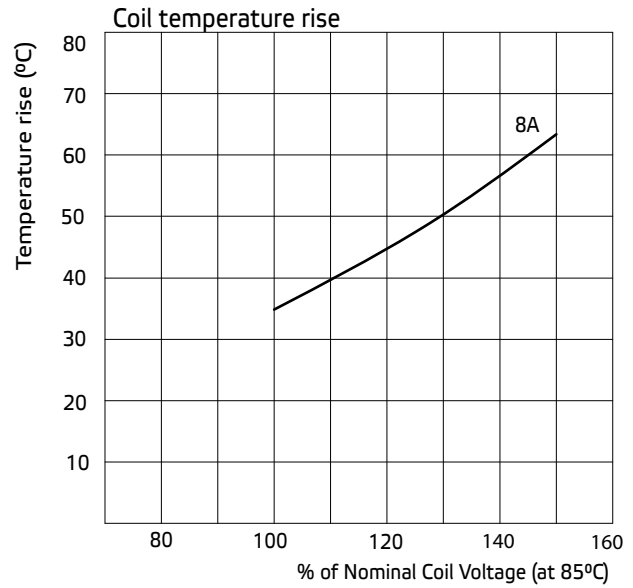
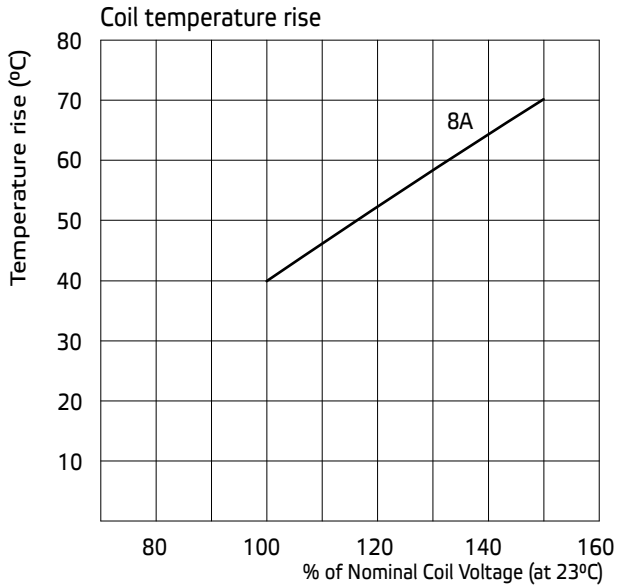
2D





S01

»» Engineering Data



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.