



»» 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 2002/95/EC.

»» Type List

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

»» Ordering Information

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

- | | |
|--|---------------------------|
| 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 close | 5. C -- Flux tight |
| 3. H -- Contact material AgSnO | V -- Sealed type |
| HA -- Contact material AgSnO+ Au | S -- Sealed type washable |

»» 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				

>>> 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

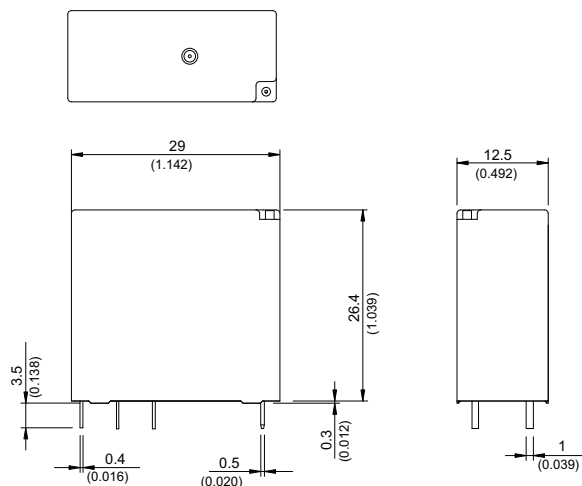
>>> Safety Approval

Certified	UL / CUL	TUV
File No.	E74321	R50047782

>>> Safety Approval Rating

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

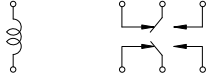
>>> Outline Dimensions



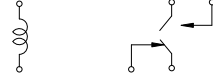
S01

»» Wiring Diagram BOTTOM VIEW

2C

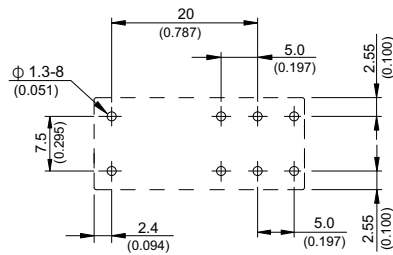


2D

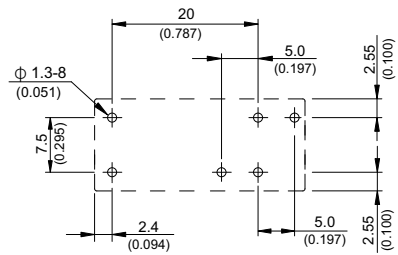


»» PC Board Layout BOTTOM VIEW

2C



2D



»» Engineering Data

