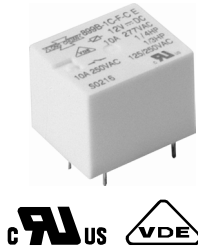




899



»» Features

- Baby Sugar Cube Relay.
- 10A 277VAC ; 15A 125VAC ; UL/CUL, VDE Approvals.
- High Insulation up to 2000V (899B type).
- High CTI material greater than 250.
- Comply with RoHS-Directive 2011/65/EU.

»» Type List

Terminal style	Contact form	UL Insulation system approval	Designation (provided with)	
			Flux tight	Sealed type washable
PCB terminal	1A (SPNO)	-----	899-1A-C	899-1A-S
		F	899-1A-F-C	899-1A-F-S
	1B (SPNC)	-----	899-1B-C	899-1B-S
		F	899-1B-F-C	899-1B-F-S
	1C (SPDT)	-----	899-1C-C	899-1C-S
		F	899-1C-F-C	899-1C-F-S
	1A (SPNO)	F	899B-1A-F-C	899B-1A-F-S
1B (SPNC)	F	899B-1B-F-C	899B-1B-F-S	
1C (SPDT)	F	899B-1C-F-C	899B-1C-F-S	

»» Ordering Information

899 - 1A - F - C E XXVDC
 1 2 3 4 5 6

- | | |
|----------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1. 899 -- Basic series designation | 4. C -- Flux tight |
| 899B -- Basic series designation with insulation barrier | S -- Sealed type washable |
| 2. 1A -- Single pole normally open | 5. Blank -- Standard type |
| 1B -- Single pole normally closed | E -- CTI 250V |
| 1C -- Single pole double throw | 6. XXVDC -- Coil voltage (please refer to the coil rating data for the availability) |
| 3. Blank -- Standard type | |
| F -- Class F | |

»» Contact Rating

Resistive load	NO : 7A 240VAC , 10A 120VAC ; NC : 7A 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 70°C	Pick up voltage(Max) at 23°C	Drop out voltage(Min) at 23°C	Power consumption at rated voltage
3	120	25	150 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.36W
5	72	70				
6	60	100				
9	40	225				
12	30	400				
15	24	625				
18	20	900				
24	15	1600				
36	10	3600				
48	7.5	6400				

»» Specification

Contact material	AgNi alloy ⁽²⁾	
Contact resistance ⁽¹⁾	100mΩ Max.	
Operate time ⁽¹⁾	10ms Max.	
Release time ⁽¹⁾	5ms Max.	
Insulation resistance ⁽¹⁾	100MΩ Min. (DC 500V)	
Dielectric strength ⁽¹⁾	Between open contact	: AC 750V , 50/60Hz 1 min. : AC 1000V , 50/60Hz 1 min. (for 899B type)
	Between contact and coil	: AC 1500V , 50/60Hz 1 min. : AC 2000V , 50/60Hz 1 min. (for 899B type)
Vibration resistance	Operating extremes	10~50Hz , amplitude 1.5 mm
	Damage limits	10~50Hz , 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 360 operations/hr)
Operating ambient temperature	-40 ~ +70°C (no freezing) ⁽³⁾	
	Approx. 10 g	

Note: (1) initial value

(2) AgSnO alloy contact material is available.

(3) -40~+85°C is available.



899

»» Safety Approval

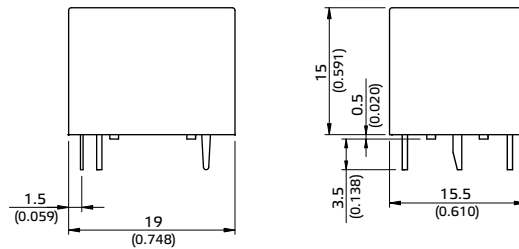
Certified	UL / CUL	VDE
File No.	E88991	40012174

»» Safety Approval Rating

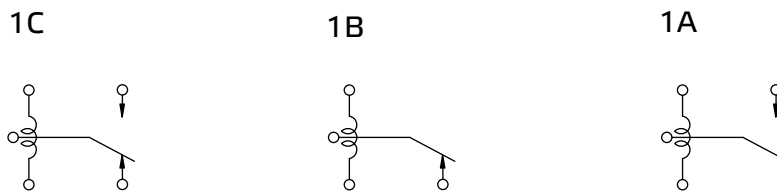
UL / CUL	VDE	
	NO	NC
※ 15A 125VAC 10A 277VAC 1/3HP 125/250VAC (NO) 1/4HP 125/250VAC (NC)	10A 250VAC T85 6A 250VAC T105	6A 250VAC T85

- Notes: 1. More details can be provide on request
 2. ※ -- Class F only

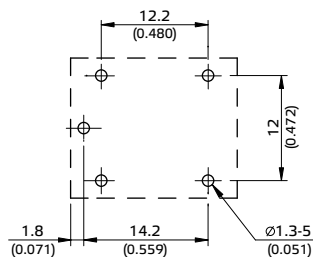
»» Outline Dimensions



»» Wiring Diagram BOTTOM VIEW



»» PC Board Layout BOTTOM VIEW



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.