



contacts.

## Relays.

- Optional for 700mW coil and 530mW coil.
- 5mm planning 16A TV-10 ideally form high inrush current breaking application for UPS, power supply and Heading Element control of Home Appliances, and lighting controls.
- High dielectric strength 5000V between coil and contacts, 1000V between contacts.
- Optional for sealed flux free & sealed washable types.

## »» Type List

Terminal style	Contact form	UL Insulation system approval	Designation (provided with)		
			Flux tight	Sealed type	Sealed type washable
PCB terminal	1A (SPNO)	-----	793-P-1A	793-P-1A-V	793-P-1A-S
		F	793-P-1A-F	793-P-1A-F-V	793-P-1A-F-S
	1B (SPNC)	-----	793-P-1B	793-P-1B-V	793-P-1B-S
		F	793-P-1B-F	793-P-1B-F-V	793-P-1B-F-S
	1C (SPDT)	-----	793-P-1C	793-P-1C-V	793-P-1C-S
		F	793-P-1C-F	793-P-1C-F-V	793-P-1C-F-S

## »» Ordering Information

793 - P - 1A - F - S  
1      2      3      4      5

1. 793 -- Basic series designation
2. P -- PCB terminal
3. 1A -- Single pole normally open V -- Sealed type  
1B -- Single pole double normally closed S -- Sealed type washable 1C -- Single pole double throw
4. Blank -- Standard type F -- Class F
5. Blank -- Flux tight

## »» Contact Rating

Resistive load	16A 240VAC
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Rated voltage (V)	Rated current $\pm 10\%$ at 23°C (mA)	Coil resistance $\pm 10\%$ at 23°C ( $\Omega$ )	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	234	12.8	160 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.7W
5	139	36				
6	118	51				
9	78	116				
12	58	206				
18	39	463				
24	29	825				
48	15	3,300				
60	11.7	5,100				
100	7.5	13,400				

◆ High Sensitivity Type

Rated voltage (V)	Rated current $\pm 10\%$ at 23°C (mA)	Coil resistance $\pm 10\%$ at 23°C ( $\Omega$ )	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	176	17	170 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.53W
5	105	47.7				
6	88	68				
9	60	150				
12	44	275				
18	29	618				
24	22	1,100				
48	11	4,400				
60	8.8	6,800				

## »» Specification

Contact material	AgCdO / AgSnO alloy	
Contact resistance <sup>(1)</sup>	100mΩ Max.	
Operate time <sup>(1)</sup>	20ms Max.	
Release time <sup>(1)</sup>	10ms Max.	
Insulation resistance <sup>(1)</sup>	1000MΩ Min. (DC 500V)	
Dielectric strength <sup>(1)</sup>	Between open contact : AC 1000V , 50/60Hz 1 min.	
	Between contact and coil : AC 4000V , 50/60Hz 1 min. (for 1B,1C) : AC 5000V , 50/60Hz 1 min. (for 1A)	
Vibration resistance	Operating extremes	10~55Hz , amplitude 1.5 mm
	Damage limits	10~55Hz , amplitude 1.5 mm

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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 1,800 operations/hr)
Operating ambient temperature	-40~+70 ° C (no freezing)	
Weight	Approx. 17 g	

Note : (1) initial value

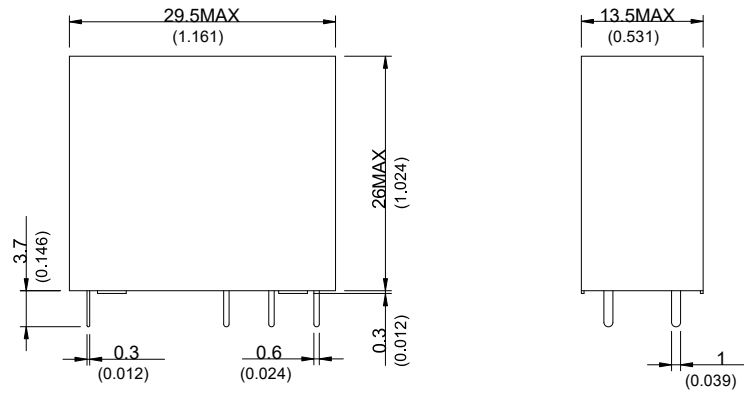
## »» Safety Approval

Certified	UL	CSA	TUV
File No.	E88991	LR90143	R9452019

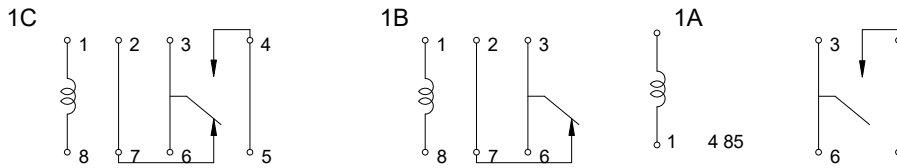
## »» Safety Approval Rating

UL , CSA		TUV
NO	NC	
16A 250VAC	16A 250VAC	16A 250VAC
20A 125VAC	20A 125VAC	6A 125VAC cosψ0.4
25A 125VAC (for UL)	25A 125VAC (for UL)	16A 30VDC
20A 277VAC(for UL)	16A 30VDC	8A 250VAC cosψ0.4
TV-10	1/2HP 250/125VAC	
20A 30VDC 1/2HP 250/125VAC		

## »» Outline Dimensions

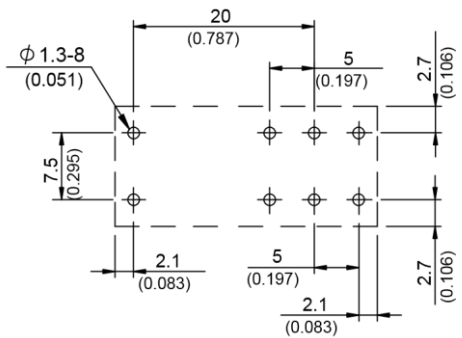


»» Wiring Diagram  
BOTTOM VIEW

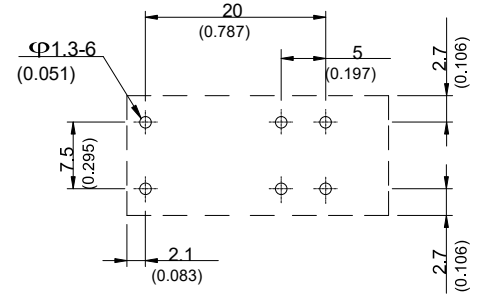


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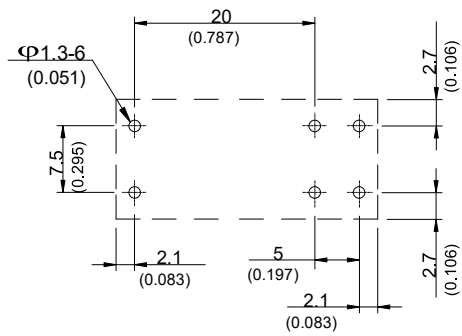
BOTTOM VIEW  
1C



1B



1A



»» Engineering Data

Coil temperature rise

Coil temperature rise

