



»» Features

- High rating general purpose miniature PCB power 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
	1B (SPNO)	-----	793-P-1B	793-P-1B-V	793-P-1B-S
	1C (SPDT)	-----	793-P-1C	793-P-1C-V	793-P-1C-S
	1A (SPNO)	F	793-P-1A-F	793-P-1A-F-V	793-P-1A-F-S
	1B (SPNO)	F	793-P-1B-F	793-P-1B-F-V	793-P-1B-F-S
	1C (SPDT)	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
1B -- Single pole normally closed
1C -- Single pole double throw | 4. Blank -- Standard type
F -- Class F
5. Blank -- Flux tight
V -- Sealed type
S -- Sealed type washable |
|---|--|

»» Contact Rating

Resistive load	16A 240VAC
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»» Coil Rating (DC)

◆ Standard type

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
5	139	36	160 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.7W
6	118	51				
9	78	116				
12	58	206				
24	29	825				
48	15	3300				
60	11.7	5100				
100	7.5	13400				

◆ High sensitivity type

Rated voltage (V)	Rated current $\pm 10\%$ at 23°C (mA)	Coil resistance $\pm 10\%$ 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
5	105	47.7	170 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.53W
6	88	68				
9	60	150				
12	44	275				
24	22	1100				
48	11	4400				
60	8.8	6800				

» Specification

Contact material	AgCdO / AgSnO alloy	
Contact resistance ⁽¹⁾	100 m Ω Max.	
Operate time ⁽¹⁾	20 ms Max.	
Release time ⁽¹⁾	10 ms Max.	
Insulation resistance ⁽¹⁾	1000 M Ω Min. (DC 500V)	
Dielectric strength ⁽¹⁾	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
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

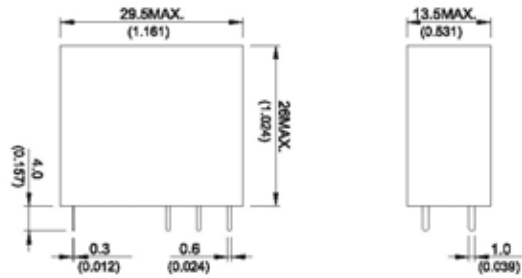
» Safety Approval

Certified	UL	CSA	TUV
File No.	E88991	LR90143	R9452019

» Safety Approval Rating

UL、CSA		TUV
NO	NC	
16A 250VAC 20A 125VAC TV-10 20A 30VDC 1/2HP 250/125VAC	16A 250VAC 20A 125VAC 16A 30VDC 1/2HP 250/125VAC	16A 250VAC 6A 125VAC COS ϕ 0.5 16A 30VAC 8A 250VAC COS ϕ 0.4

Outline Dimensions



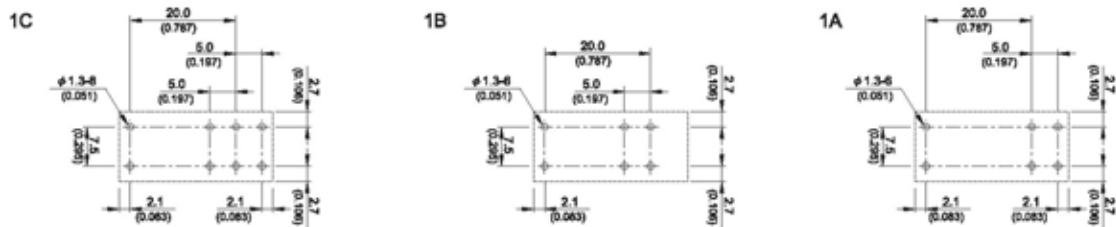
Wiring Diagram

BOTTOM VIEW



PC BOARD LAYOUT

BOTTOM VIEW



Engineering Data

