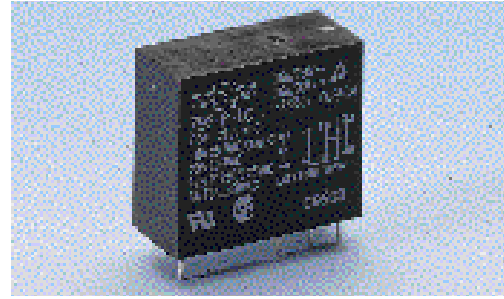
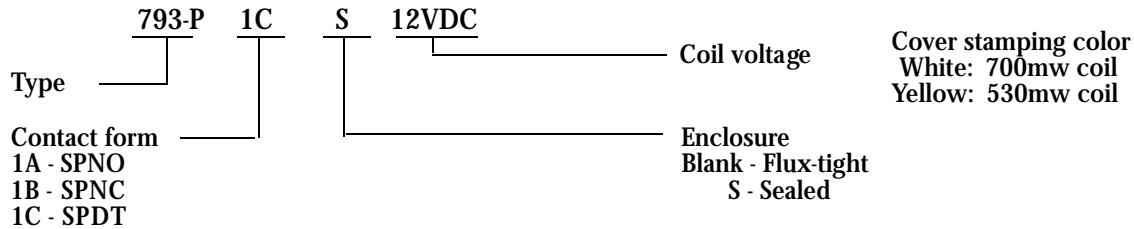


## FEATURES

- Miniature, 16-20 amps
- UL, CSA, & TUV
- VDE 8mm spacing, 4 KV dielectric
- TV 10, SPNO
- 5mm pinning
- Flux-tight or Sealed



## ORDERING INFORMATION



## SAFETY APPROVAL

Certified	UL	CSA	TUV
File No.	E88991	LR90143	R9452019

## SAFETY APPROVAL RATING

	UL		CSA		TUV
	1A	1B,1C	1A	1B,1C	1C
	16A 250VAC	16A 250VAC	16A 250VAC	16A 250VAC	16A 250V~AC
	20A 125VAC	20A 125VAC	20A 125VAC	20A 125VAC	16A 30V = DC
	TV-10	16A 30VDC	TV-10	16A 30VDC	8A 250V-AC
	20A 30VDC	1/2 HP, 125/250VAC	20A 30VDC	1/2 HP, 125/250VAC	COSφ 0.4
	1/2 HP, 125/250VAC	8A FLA, 250VAC	1/2 HP, 125/250VAC	8A 250VAC	
	8A FLA, 250VAC		8A 250VAC	p.f. 0.4 - 0.5	
			p.f. 0.4 - 0.5		

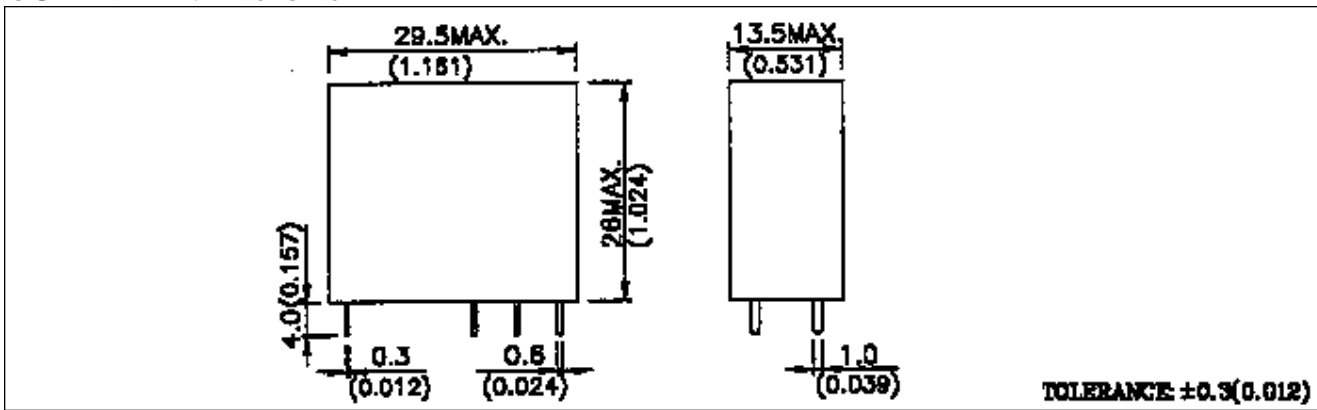
## COIL DATA HIGH SENSITIVITY (Yellow: 530mw coil)

Rated voltage (V)	Rated current ± 10 % at 25° (mA)	Coil resistance ± 10 % at 25° (Ω)	Max. continuous voltage 25°C	Pick up voltage (Max) 25°C	Drop out voltage (Min) 25°C	Power consumption at rated voltage
3	176	17	110% 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				
110	5	23,100				

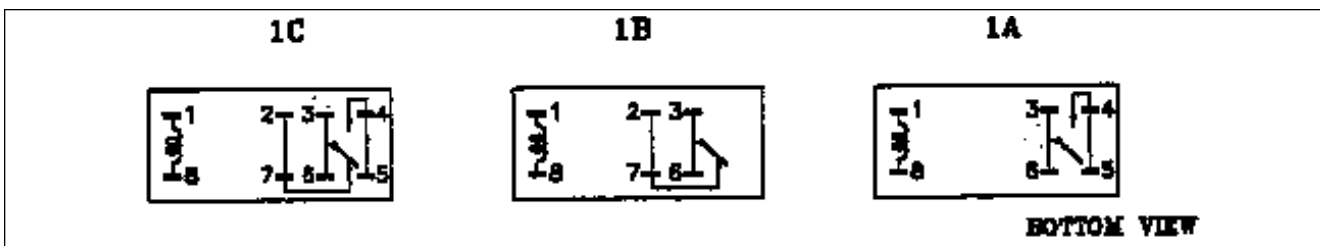
**SPECIFICATION**

Contact resistance	30mΩ Max.(initial value)	
Operate time	10ms	
Release time	5ms	
Insulation resistance	100M Ω Min.(DC 500V)	
Dielectric strength	Between open contact	AC 1000V, 50/60Hz 1 min.
	Between contact and coil	AC 4000V, 50/60Hz 1 min.(1B & 1C)
		AC 5000V, 50/60Hz 1 min.(1A)
Vibration resistance	Operating extremes	10~50Hz,amplitude 1.5mm
	Damage limits	>10~50Hz,amplitude 1.5mm
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 temperature	-40° ~ 70° C (no freezing)	
Weight	Approx.17g	

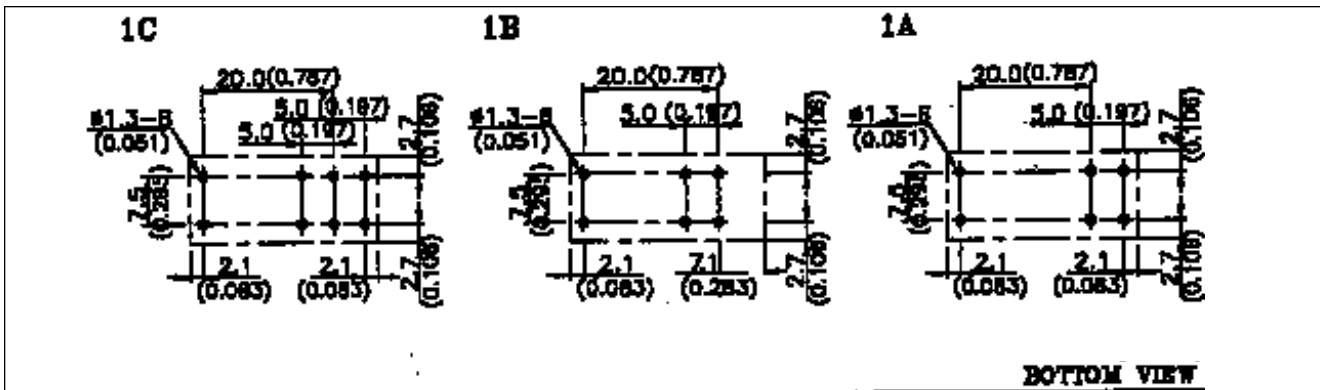
**OUTLINE DIMENSIONS**



**WIRING DIAGRAM**



**PC BOARD LAYOUT**



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