

TYPE 596



FEATURES:

- Low profile.
- Class B type insulation system.
- UL, CSA, TUV approved.
- Epoxy seal available.
- TV-5 rating available.
- Contact rating 12A@125 VAC
- PCB mounting.



CONTACT RATING

Type	General	
	SPST, NO	SPST, NC & SPDT
Resistive Load	12A/125 VAC, 7A/250 VAC, 7A/30 VDC	12A/125 VAC, 7A/250 VAC, 7A/30 VDC
TV Load	TV-5	

COIL DATA

Rated Voltage (V)	Rated Current (mA) ±10% 25 °C	Coil Resistance (mA) ±10% at 25 °C (W)	Max. Continuous Voltage at 25°C	Pickup Voltage at 25°C	Dropout Voltage at 25°C	Power Consumption at Rated Voltage
3	120.0	25	110% of rated voltage	75% of rated voltage	10% of rated voltage	Approx. 0.36 W
5	73.0	69				
6	60.0	100				
9	40.0	225				
12	30.0	400				
24	15.0	1600				
48	7.5	6400				

PART NUMBERING SYSTEM

Relay Type	Enclosure & Terminals	Contact Arr.	Coil Voltage	Contacts	Standard or Special
596	3—Flux Tight 4—Epoxy Sealed	1—SPDT 4—SPST, NO 5—SPST, NC	I—3VDC E—5VDC A—6VDC G—9VDC B—12VDC C—24VDC D—48VDC	2—Standard, Ag SnO	00—Standard H0—Class B A1—Z9 Special

Example: 596-31A200

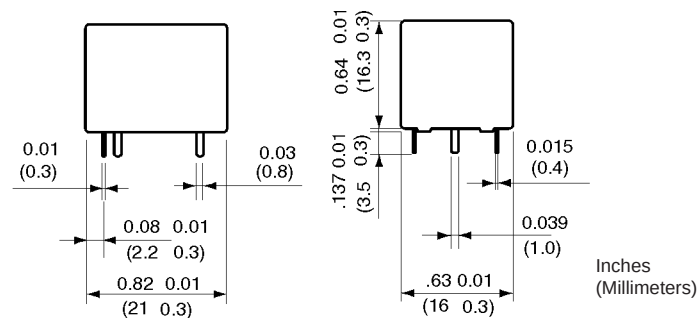
Stock items: 596-41B200, 596-41C200, 596-41E200, 596-44B200, 596-44C200, 596-44E200

SPECIFICATIONS

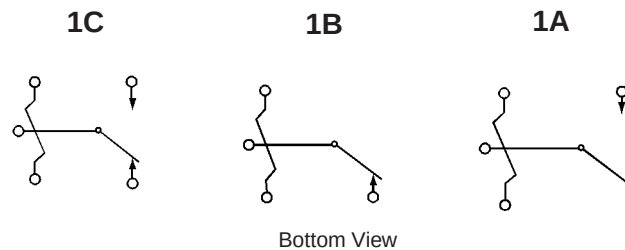
Contact resistance	50 m Max. (initial value)
Operate time	15 mS Max.
Release time	5 mS Max.
Insulation resistance	100 M Min. (DC 500V)
Dielectric strength	Between open contact: AC 500 V 50/60Hz 1 minute. Between contact and coil: AC 1500V 50/60Hz 1 minute.
Vibration resistance	Damage Limits & Operating Extremes :10~50Hz, Amplitude 1.0 mm
Shock resistance	Operating Extremes: 10g Damage limits:100g
Life expectancy	Mechanical Life: 10,000,000 operations (Frequency 18,000 operations/hr) Electrical Life: 100,000 operations (Frequency 1,200 operations/hr)
Operating temperature	55°C 65°C 50°C 55°C
Weight	Approx. 10g

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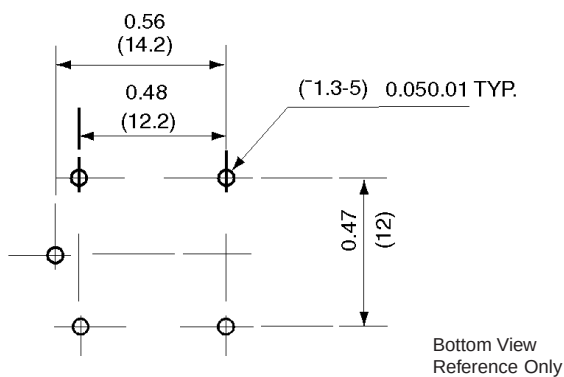
DIMENSIONS



WIRING



PCB LAYOUT



SAFETY APPROVAL

CERTIFIED	FILE NO.
UL	E38802
CSA	LR700557
TUV	9452021

CURVES

