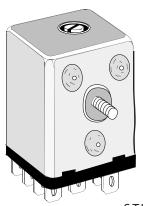
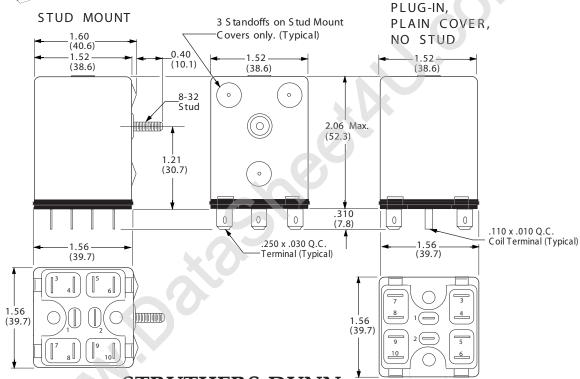
25 AMPS, 2 POLE, DOUBLE MAKE/DOUBLE BREAK

CLASS 97 POWER RELAY PLUG-IN OR SIDE STUD MOUNT





OUTLINE DIMENSIONS Dimensions shown in Inch & (Millimeter)



STRUTHERS-DUNN

STRETTIERS DOINT			
COIL Measured @ 25 ⁰ C			
PART	Nominal	Nominal	Nominal
NUMBERS	Input	Resistance	Power
	Voltage	(Ohms)	
STUD MOUNTING STYLE			
W97ACSX-3	120 VAC	-	8 V A
W97ACS·X-4	240 VAC, 60 HZ		8 V A
	220 VAC, 50 HZ	-	
W97CSX-1	12 VDC	50	2.5 W
W97CSX-2	24 VDC	200	2.5 W
PLAIN COVER, PLUG-IN (NO STUD)			
W97ACPX-2	24 VAC	-	8 VA
W97ACPX-3	120 VAC	-	8 V A
W97ACPX-4	240 VAC, 60 HZ		8 V A
	220 VAC, 50 HZ	-	
W97CPX-1	12 VDC	50	2.5 W
W97CPX-2	24 VDC	200	2.5 W

PART NUMBERS SHOWN ALSO AVAILABLE THRU STOCKING DISTRIBUTION.

WIRING SCHEMATIC Viewed from Terminal End

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SPECIFICATIONS FOR (@ 25 ° C)

COIL

Pull-in Voltage: AC, 85% of Nominal Voltage or less
Dropout Voltage: DC, 75% of Nominal Voltage or less

Max. allowed voltage: 110% of nominal voltage

 $\begin{array}{lll} \text{Maximum Power} & 3 \text{ Watts} \\ \text{Minimum Power:} & 1.6 \text{ Watts} \\ \text{Duty} & \text{Continuous} \\ \text{Resistance} & \pm 10\% \end{array}$

CONTACTS

Contact Configuration: DPDT-NC-NO (DB-DM)

Contact Material: Silver Alloy

Contact Resistance: 50 Milliohms max. (Initial)

Contact Rating: 25 Amps @ 240 VAC Resistive.

25 Amps @ 277 VAC Resistive. 1 HP @ 120 VAC, 2Hp @ 240 VAC 25 Amps Resistive @ 28 VDC.

TIMING

Operate Time: 35 mS Max. @ Nominal Voltage. Release Time: 35 mS Max. @ Nominal Voltage.

DIELECTRIC STRENGTH

Coil to Contacts: 2000 V rms
Across Open Contacts: 1500 V rms
Pole to Pole: 2000 V rms
Contact to Frame: 2000 V rms

Insulation Resistance: 1000 Megohms minimum @ 500 VDC

TEMPERATURE

Operating: -35° C to $+70^{\circ}$ C @ Rated Operation.

VIBRATION RESISTANCE

Functional: 5g's; 10 to 55 Hz,

SHOCK RESISTANCE

Functional: 10 g's

LIFE EXPECTANCY

Mechanical (No Load): 1 Million Operations
Electrical (Rated Load): 100,000 Operations
Max. Cycle Rate: 1800 per hour

MISCELLANEOUS

Terminals: All Terminals on S tud mounted relays are

1/4" x .032 Quick Connect Tabs. Plug-in relays have 1/4" x .032 Quick Connect Tabs and .110 Taper Coil Terminals.

Enclosure: Plated Steel

Operating Position: Any

Weight: 259.4 grams