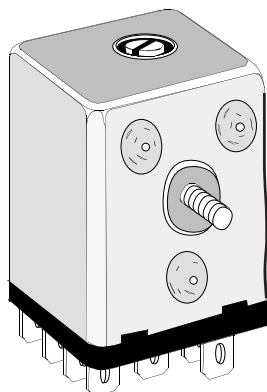
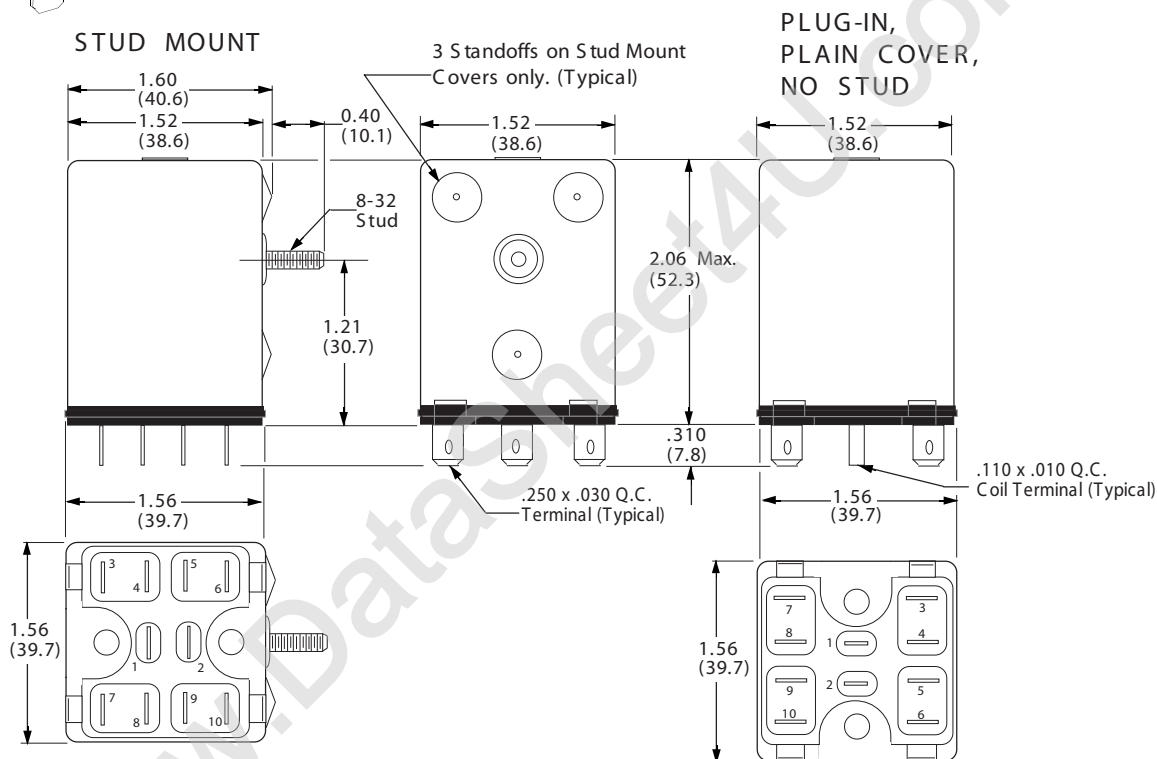


CLASS 97 POWER RELAY PLUG-IN OR SIDE STUD MOUNT



OUTLINE DIMENSIONS Dimensions shown in Inch & (Millimeter)

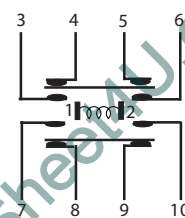


STRUTHERS-DUNN

PART NUMBERS	COIL Measured @ 25 ⁰ C		
	Nominal Input Voltage	Nominal Resistance (Ohms)	Nominal Power
STUD MOUNTING STYLE			
W97ACSX-3	120 VAC	-	8 VA
W97ACSX-4	240 VAC, 60 HZ	-	8 VA
	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 VA
W97ACPX-4	240 VAC, 60 HZ	-	8 VA
	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



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
Maximum Power	3 Watts
Minimum Power:	1.6 Watts
Duty	Continuous
Resistance	±10%

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:	35mS 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 ° C @ Rated Operation.
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VIBRATION RESISTANCE

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

Functional:	10 g's
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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 Stud 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