

97 Series - Metal Enclosed Power Relay

DPDT - Double Make / Double Break, 25 Amp



E13224



The 97 series relay is a metal enclosed, stud or socket mounted 25 amp work-horse. Contacts are dual double-break and double-make (2 form z). Double contacts assure rugged shock resistance (10g's) and extinguish damaging arcs faster than single point contacts. This series is also rated for continuous duty operation up to 70 degrees C.

GENERAL SPECIFICATIONS (@ 25° C)

Contacts:

Contact Configuration	DPDT - Double Make/ Double Break
Contact Material	Silver Alloy
Contact Rating	
120 / 240VAC Resistive	25 Amp
Motor 120VAC 1 Phase	1Hp
Motor 240VAC 1 Phase	2Hp
Contact Resistance, Initial	50 milliohms max @ 6VDC

Coil:

Coils Available	AC and DC
Nominal Coil Power	8VA 2.5W
Input Voltage Tolerance - AC	85% to 110% of nominal
Input Voltage Tolerance - DC	80% to 110% of nominal
Drop-out voltage	10% of nominal
Duty	Continuous

Timing:

Operate Time (max)	35ms
Release Time (max)	35ms

Dielectric Strength:

Across Open Contacts	1500 VRMS
Between Mutally Insulated Points	2000 VRMS
Insulation Resistance	1000 megohms @ 500VAC

Temperature:

Operating	-35 to 70°C (-31 to 158°F)
Storage	-40 to 105°C (-40 to 221°F)

Life Expectancy:

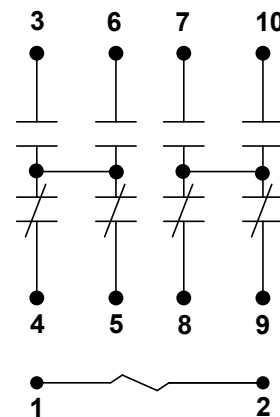
Electrical (full load operations)	100,000
Mechanical (no load operations)	1,000,000

Miscellaneous:

Mounting Position	Any
Enclosure	Metal Dust Cover
Weight	9.2oz (260 grams)



97 Wire Diagram

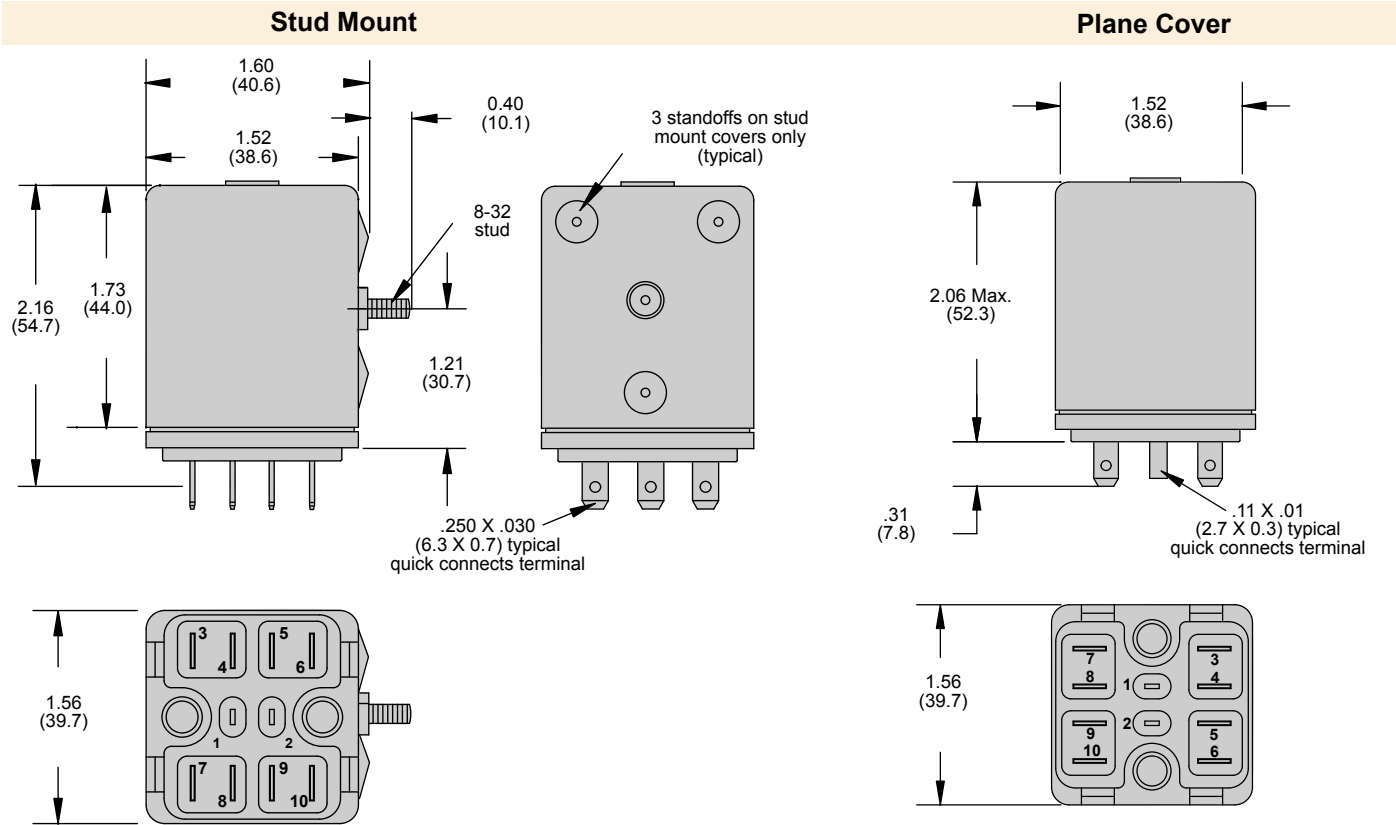


Power Relays

30 - 300 Amp

Outline Dimensions

Dimensions shown in inches & (millimeters)



97 Part Number Chart

Part Numbers	Nominal input voltage	Nominal resistance (ohms) (±5%)
Stud mounting style		
97ACSX-3	120VAC	1,000
97ACSX-4	240VAC 60HZ 220VAC 50HZ	5,000
97CSX-1	12VDC	50
97CSX-2	24VDC	200
Plain cover, plug-in (no stud)		
97ACPX-2	24VAC	65
97ACPX-3	120VAC	1,000
97ACPX-4	240VAC 60HZ 220VAC 50HZ	5,000
97CPX-1	12VDC	50
97CPX-2	24VDC	200