

292 Series – Sensitive Low Input Coil – Square Base Up to 5 Amp Contacts, SPDT – 3PDT



The 292 series is a square base, bladed version of DC sensitive relay. Single pole versions operate on as little as 125mW and are capable of switching 5 amps. Power requirements increase by 125mW per pole up to 3 poles. Operating current can be as low as 3.5mA.

The 292 Series Coil can withstand wide voltage ranges of up to almost 4 X minimum Voltage without overheating. The package on this series is typically socket mounted. It can also be panel mounted allowing direct connections to terminals with quick-connects or soldering.

GENERAL SPECIFICATIONS (@ 25° C)

Contacts:

Contact Configuration	Up to 3PDT
Contact Material	Silver
Contact Rating	
120 / 240VAC General Purpose	5 Amp
120 VAC Pilot Duty	1.52 Amp
120 VAC	1/8 HP
Contact Resistance, Initial	100 milliohms max @ 6VDC

Coil:

Coils Available	AC and DC
Minimum Coil Power	
Single Pole	125mW
Double Pole	250mW
3 Pole	375mW

Duty Continuous

Timing:

Operate Time (max)	20mS
Release Time (max)	15mS

Dielectric Strength:

Across Open Contacts	500Vrms
Between Mutually Insulated Points	1500Vrms
Insulation Resistance	1,000 Mohms min @ 500VDC

Temperature:

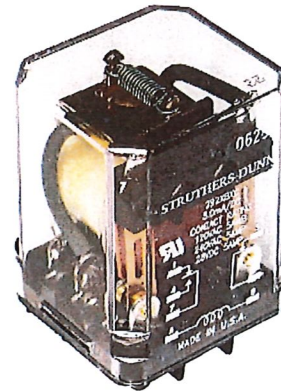
Operating	-20 to 70°C (-4 to 158°F)
Storage	-40 to 105°C (-40 to 221°F)

Life Expectancy:

Electrical (full load operations)	6000
Mechanical (no load operations)	1,000,000

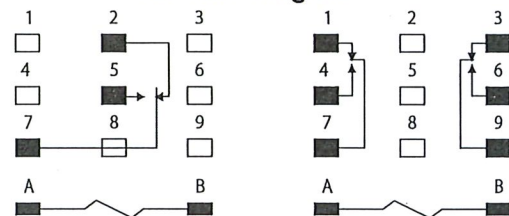
Miscellaneous:

Mounting Position	Any
Mating Socket	SK-SQB11-DS
Enclosure	Clear Polycarbonate
Weight	3.2oz (90 grams)



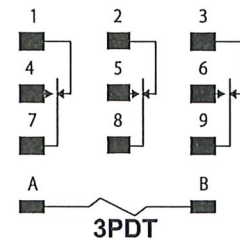
Socket Mount

292 Wire Diagram



SPDT

DPDT



3PDT

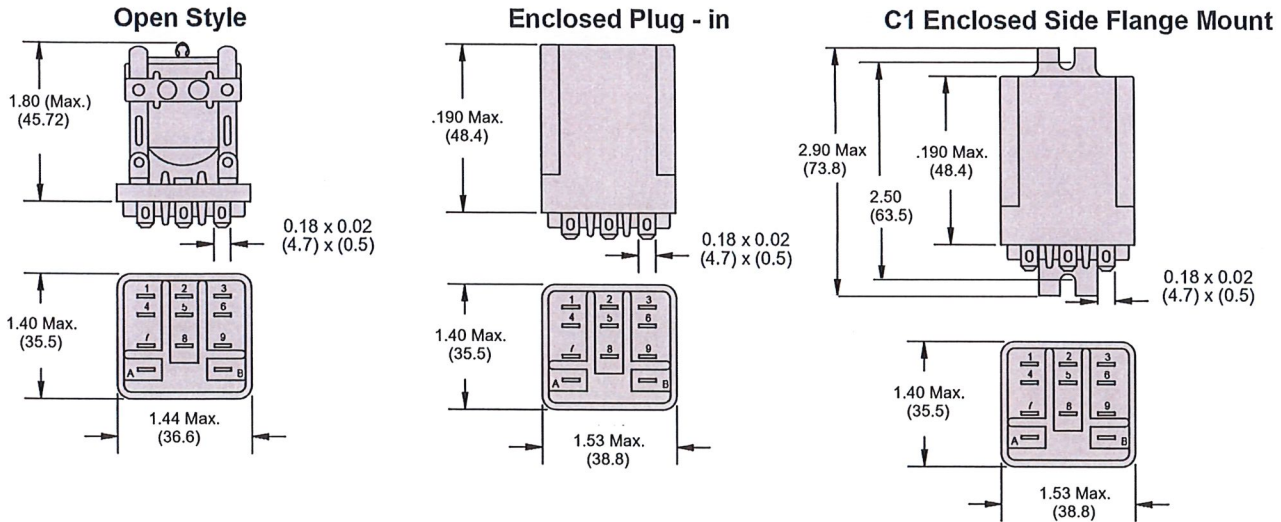
CONTACT RATINGS

LOAD	30VDC	120VAC	240VAC
Resistive	5A	5A	5A



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Outline Dimensions Dimensions Shown in inches & (millimeters)



Ordering Code **292** **XBX** **C**

Series
292

Contact Arrangement
XAX (SPDT) - (1 form C)
XBX (DPDT) - (2 form C)
XCX (3PDT) - (3 form C)

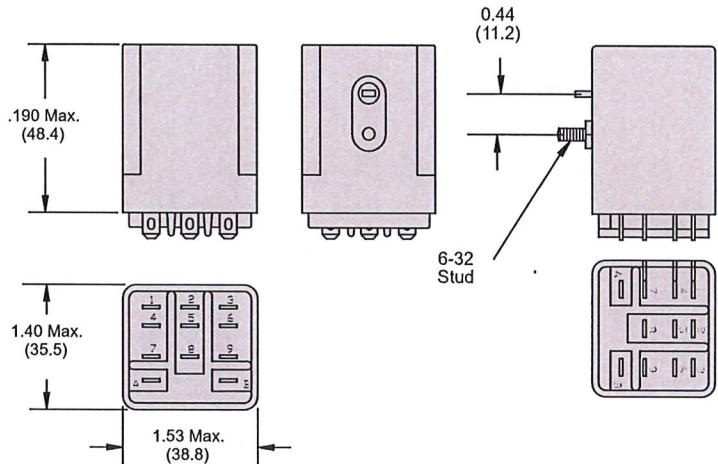
Construction
Open Style - consult factory
Enclosed plug-in - CODE C
Enclosed Side Flange Mount - CODE C1
Enclosed with 6-32 Side Tapped Hole - CODE C2
Enclosed with 6-32 Top Stud - CODE CS1
Enclosed with 6-32 Side Stud - CODE CS2

Options
Gold Diffused Contacts - CODE G
Indicator Lamp (125VDC only) - CODE L
Manual actuator - CODE M
Printed circuit terminals - CODE T

Coil Current
XAX: 11.1, 7.0, 5.0, 3.5 (Add mADC)
XBX: 15.8, 10.0, 7.0, 5.0 (Add mADC)
XCX: 19.3, 12.0, 8.5, 6.0 (Add mADC)

M 11.1 mADC

CS2 Enclosed Side Stud Mount



292 Coils

Resistance	SPDT 292XAX (125mW)		DPDT 292XBX (250mW)		3PDT 292XCX (375mW)	
	Minimum	Voltage range	Minimum	Voltage range	Minimum	Voltage range
Ohms	11.1	11.0-44.0	15.8	15.8-44.0	19.3	19.3-44.0
±10%	7.0	17.5-68.0	10.0	25.0-68.0	12.0	30.0-68.0
1000.0	5.0	25.0-97.0	7.0	35.0-97.0	8.5	42.5-97.0
2500.0	3.5	35.0-139.0	5.0	50.0-139.0	6.0	60.0-139.0
5000.0						
10000.0						



Change in coil resistance due to temperature will effect pull-in voltage, but will not change pull-in current