

292 Series - Low Coil Power - Square Base SPDT - 3PDT, 5 Amp



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 11.1mA. The 292 series can withstand wide voltage ranges of up to almost 4X 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 Resistive | 5 Amp |
| 28VDC Resistive | 5 Amp |
| 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 |
| 4 Pole | |
| Duty | Continuous |

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INFORMATION

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) | 100,000 |
| Mechanical (no load operations) | 10,000,000 |

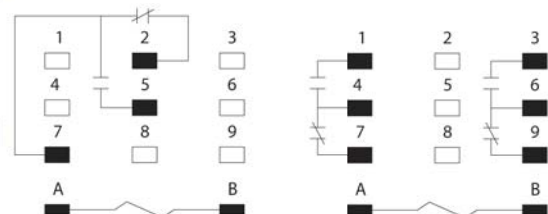
Miscellaneous:

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



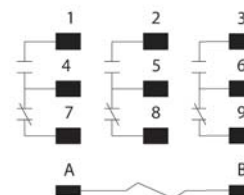
Socket Mount

292 Wire Diagram



SPDT

DPDT



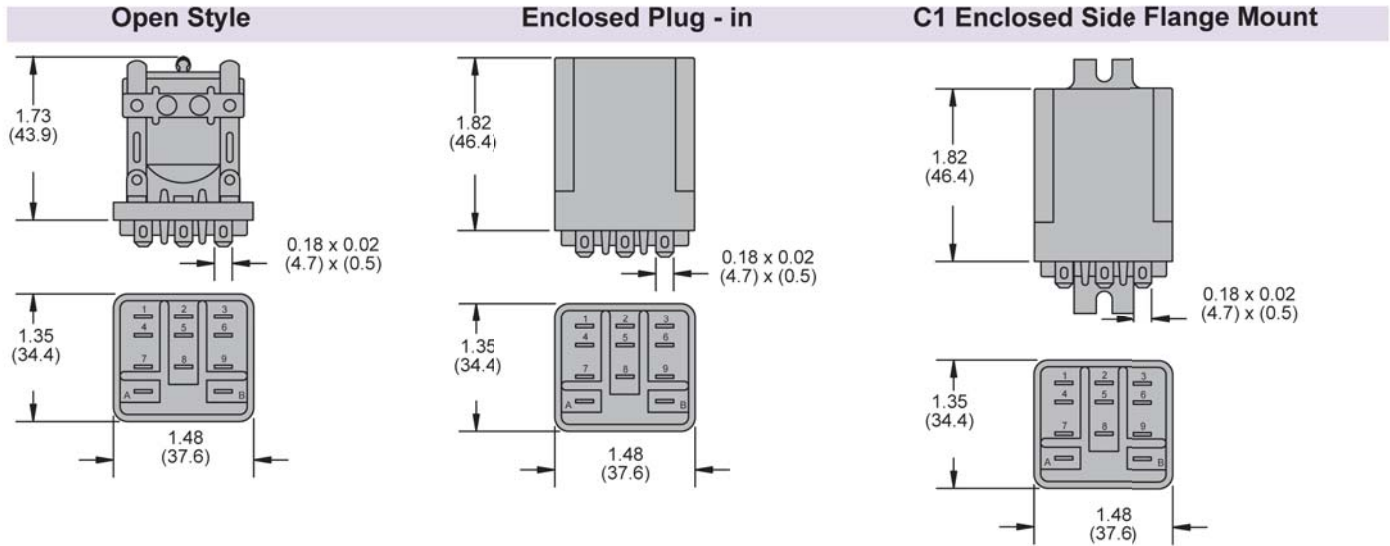
3PDT

Sensitive - Low Input Power Relays

2 - 5 Amp

Outline Dimensions

Dimensions Shown in inches & (millimeters)



Ordering Code 292 XBXC

Series
292

Contact Arrangement

XAX (SPDT) - (1 form C)
 XBXC (DPDT) - (2 form C)
 XCXC (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 side stud - CODE CS2

Options

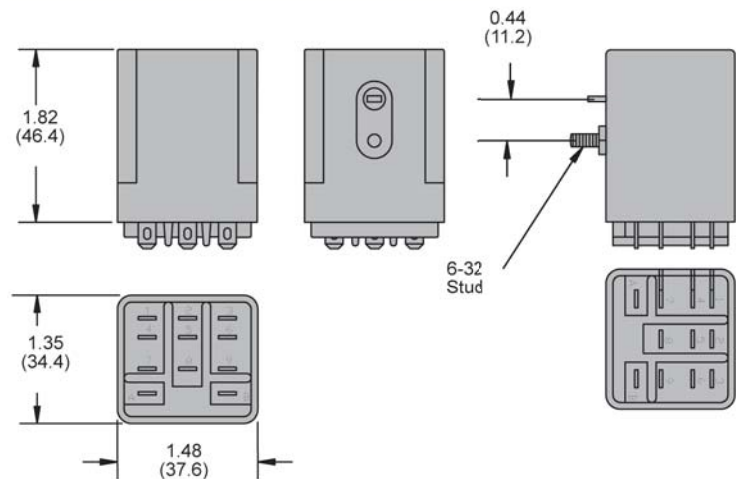
Manual actuator - CODE M
 Printed circuit terminals - CODE T

Coil Current

XAX: 11.7, 7.0, 5.0, 3.5 (Add mADC)
 XBXC: 15.8, 10.0, 7.0, 5.0 (Add mADC)
 XCXC: 19.3, 12.0, 8.5, 6.0 (Add mADC)

M -10VAC

CS2 Enclosed Side Stud Mount



Section 6

292 Coils

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

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