## 311 Series - Industrial Sequencing DPDT, 5 Amp



File No. ES2197



The 311 Series relays are sequencing (stepper) relays built on the industrial 219 style frame. Hold down clip is integral to the relay base. Double pole contacts transfer on energizing of coil or de-energizing. Dual cam movement allows contacts to operate together or separately. Works equally well with application of continuous voltage to coil or energy saving impulse. No continuous voltage required for memory. Numerous custom switching arrangements are possible over 8 steps per revolution of the cams.

## GENERAL SPECIFICATIONS (@ 25° C)

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Contact Configuration DPDT
Contact Material Silver Alloy
Contact Rating
125 / 250VAC Resistive 5 Amp

28VDC Resistive 5 Amp Contact Resistance, Initial 100 milliohms max @ 6VDC

Coil:

Coils Available

Nominal Coil Power

Input Voltage Tolerance - DC

Drop out voltage

Duty

AC or DC up to 300V

4.9VA 1.8W

85% to 110% of nominal

80% to 110% of nominal

10% of nominal

Continuous

Timing:

Operate Time (max) 35mS Release Time (max) 35mS

Dielectric Strength:

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

Temperature:

Operating -20 to 60°C (-4 to 140°F) Storage -40 to 105°C (-40 to 221°F)

Life Expectancy:

Electrical (full load operations) 100,000 Mechanical (no load operations) 5,000,000

Miscellaneous:

 Mounting Position
 Any

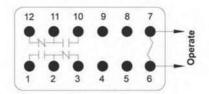
 Mating Socket
 27390D

 Enclosure
 Clear Polycarbonate

 Weight
 7.5oz (190 grams)



311 Wire Diagram (Top View)



311XBXP 311XBXPR\* \*Transfer on release



## **Latching / Sequencing Relays**

10 - 100 Amp

## Max Outline Dimensions

Dimensions Shown in inches & (millimeters)

Coil Specifications

AC Coil,	50/60HZ	DC Coil	
Nominal voltage	Resistance ohms ±10%	Nominal voltage	Resistance ohms ±10%
6	1.1	6	15.5
12	4.2	12	63.5
24	15.5	24	250
120	540	48	970
240	1815	110-125	6200

