

**Struthers-Dunn**

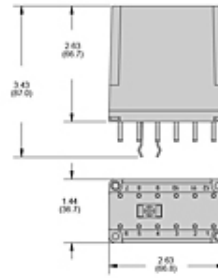
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**Phone:** (843) 346-4427 • **Fax:** (843) 346-4465**E-Mail:** info@struthers-dunn.com • **Web site:** www.struthers-dunn.com**Item # 311XBP-120VAC, 311 Series - Industrial Sequencing Relays**

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.

**For Additional Configuration please contact the manufacturer.**



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**SPECIFICATIONS**

Series	311
Contact Arrangement	XBX (DPDT) - (2 form C)
Standard Features	Plug-in with polycarbonate cover
Contact Transfer	Coil is energized
Coil Voltage	120 VAC

**CONTACTS**

Contact Configuration	DPDT
Contact Material	Silver Alloy
Contact Rating	5 A
Contact Rating 120 / 240VAC Resistive	5 A

Contact Rating 28VDC Resistive	5 A
Contact Resistance, Initial	100 milliohms max at 6VDC

## COIL

Coils Available	AC or DC up to 300V
Nominal Coil Power AC	4.9 VA
Nominal Coil Power DC	1.8 W
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)	35 ms
Release Time (max)	35 ms

## DIELECTRIC STRENGTH

Across Open Contacts	1500 Vrms
Between Mutually Insulated Point	1500 Vrms
Insulation Resistance	1,000 megohms min at 500VDC
Electrical (full load)	100,000
Mechanical (no load)	5,000,000

## TEMPERATURE

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

## MISCELLANEOUS

Mounting Position	Any
Mating Socket	27390D
Enclosure	Clear Polycarbonate
Weight	7.5 oz 190 g

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