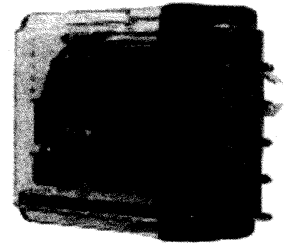


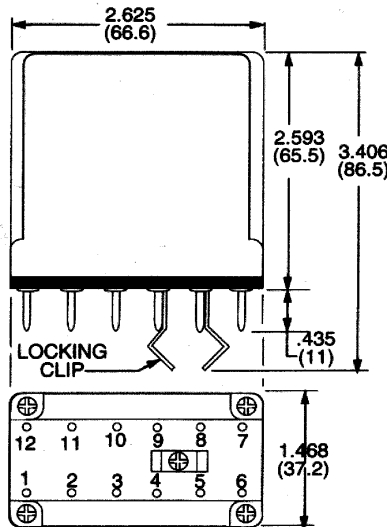
INDUSTRIAL PLUG-IN SEQUENCE (STEPPER), 5 AMP

SERIES
A311 **7**

The A311 Series Relay is a sequencing version of the 219 series general purpose relay. Contacts transfer on each impulse to the coil. Models are available with contacts transferring either with coil is energized or when deenergized. A double cam movement with the cam rotating a half-step when the coil is energized and the other half step when the coil is deenergized assures reliable sequencing. Contacts are DPDT, 2 snap switches.



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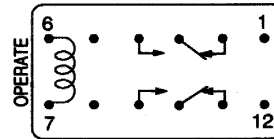


PART NUMBERS SHOWN ALSO AVAILABLE THRU STOCKING DISTRIBUTION.

COIL		GENERAL SPECIFICATIONS	
Pull-in, min. AC		85% of Nominal Voltage	
Pull-in min. DC		80 % of Nominal Voltage	
Overtoltage, max.		110% of nominal, voltage	
CONTACTS			
Contact Material:		Silver Cadmium Oxide	
TIMING			
Operate Time: (operate coil)	35 mS Max. @ Nominal Voltage.		
Release Time:(Reset coil energized)	35 mS Max. @ Nominal Voltage.		
DIELECTRIC STRENGTH			
Across open Contacts:	500 V rms		
Between mutually insulated current carrying parts & those parts to ground:	1500 V rms		
Insulation Resistance :	1000 MΩ min. @ 500 VDC		
TEMPERATURE			
Rated Operation:	-10°C to +60°C		
LIFE EXPECTANCY			
Mechanical:	5 Million Operations no load		
Electrical:	100,000 Operations @ Rated Load.		
	500,000 Operations 1/2 Rated Load.		
MISCELLANEOUS			
Enclosure:	Clear polycarbonate.		

WIRING DIAGRAM

Viewed from Pin Side



A311XBXP
A311XBXP*
(DPDT)

*Transfer on Release

CONTACT RATINGS

LOAD	120VAC	30VDC	115VDC
Resistive	5A	5A	0.1A
Max. Inrush	12A	12A	0.25A

COIL SPECIFICATIONS @ 25°C

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

NOTE: Relays with other coil characteristics may be supplied to meet specific application requirements. 250VDC operation may be obtained by wiring a 6,200 Ω, 5 Watt resistor in series with the 110-125VDC coil. The resistor must be mounted external to the A311.

ORDERING CODE

Typical Type No. **A311 XBXPRL-120A**

Series _____
A311 Industrial plug-in ,
Sequence Relay, 5 Amp, DPDT

Contact Arrangements _____
XBX (2 Form C)

Standard Features _____
Plug-in with Polycarbonate Cover - **CODE P**

Contact Transfer _____
When coil is energized - **NO CODE**
when coil is deenergized **CODE R**

Options _____
Indicator Lamp - **CODE L**
Coil Suppression - **CODE V**

Coil Voltage _____
AC: 6, 12, 24, 120, 240 (Add "A")
DC: 6, 12, 24, 48, 110-125 (Add "D")