# **21/136 Series - Transfer Relays** DPDT, 30 Amps



E13224 21 Series only The 21 and 136 series flash transfer relays have a proven industry record of reliability. Their rugged design has allowed the products to be plugged in and left, for years of service. Recent changes in lighting techniques from incandescent to LED have prompted us to respond with a redesigned relay better suited for the low currents of LED lighting, but equally usable with tungsten lamps.

### **GENERAL SPECIFICATIONS (@ 25° C)**

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21 Series	136 Series
DPDT	DPDT
Silver Alloy	Silver Alloy
30 Amp	30 Amp
20 Amp	20 Amp
1 1/2Hp	1/4Hp
2Hp	-
20 Amp	20 Amp
100 milliohms max @ 6VDC	100 milliohms max @ 6VDC
	DPDT Silver Alloy 30 Amp 20 Amp 1 1/2Hp 2Hp 20 Amp

Coil:		
Coils Available	AC and DC	AC and DC
Nominal Coil Power	2.4VA	6VA
Input Voltage Tolerance - AC	75% to 110% of nominal	85% to 110% of nominal
Input Voltage Tolerance - DC	70% to 110% of nominal	75% to 110% of nominal
Drop-out voltge	10% of nominal	10% of nominal
Duty	Continuous	Continuous
Duty	Continuous	Continuous
Ti i		
Timing:		
Operate Time (max)	20 mS	20 mS
Release Time (max)	20 mS	20 mS
( - )		

Dielectric Strength:Across Open Contacts500Vrms500VrmsBetween mutally insulated point1500Vrms1500VrmsInsulation resistance10,000 Mohms min @ 500VDC10,000 Mohms min @ 500VDC

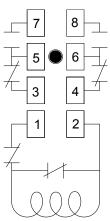
Temperature: -34 to 74°C (-30 to 165°F) -34 to 74°C (-30 to 165°F) Operating -40 to 105°C (-40 to 221°F) -40 to 105°C (-40 to 221°F) Storage Life Expectancy: 200,000 100,000 Electrical (full load) Mechanical (no load) 5,000,000 5,000,000 Miscellaneous: Any Any Mounting Position Clear Polycarbonate Clear Polycarbonate Enclosure

7.2oz (205 grams)



The 21 series coil is rectified which provides chatter free operation in brownout conditions down to 85VAC and will not overheat up to 130VAC. Rectified coils also provide less power consumption and less heating.







Weight

8.1oz (230 grams)

### **General Purpose Relays**

#### **Outline Dimensions**

Dimensions Shown in inches & (millimeters)

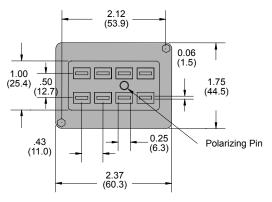


New Flash Transfer Relay 21XBXPL with Coil Voltage Indicating LED

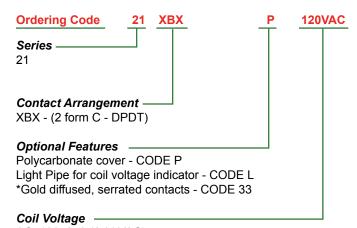


- Speed trouble shooting at busy intersections:
  - Decreased service time
  - · Increased technician safety
- Instantly know which relays are in "ON" position
- Super brite LED light pipe Visible in sun light

## 3.84 (97.6) 2.77 (70.4) 46 (11.8)



### **Newly Available**



AC: 120, 240 (Add VAC) DC: 12, 24 (Add VDC)

Coil voltages and frequencies must be specified

#### \*Ideal for LED lamp applications

### 21 Legacy Part Number Chart

UL Approved Part numbers	Alternate Part Number & Voltage
21ACPX-2	21XBXP-120VAC
21ACPX-8	21XBXP-240VAC

May also order

Part numbers/Midtex Type	Voltage
136-62T3A1	120VAC

