

#### **Features**

- Dual coil latching relay accepts a momentary impulse to one coil to latch and a second impulse to the other coil to release.
- Enclosed in a clear polycarbonate dust cover.
- · AC or DC coils.
- Contacts up to 5PDT.
- Mounts in 11 or 20-pin octal-type plugs.

#### Contact Data @ +25°C

Arrangements: From 2 Form C (DPDT) to 5 Form C (5PDT),

(3PDT each coil).

Ratings: 10 amps @ 120VAC.

Materials: 10 amp models: Silver-cadmium oxide.

Expected Life: 500,000 operations, mechanical; 50,000 operations

minimum at rated loads.

# **KBP** series

## 10 Amp Dual Coil Latching Relay

**FII** File E29244

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

#### **Coil Data**

	Nominal Voltage	Resistance in Ohms ±10% @ 25°C	Nominal Current Milliamperes
DC Coils (to 5 pole)	12 24 48 110	52.0 230 850 4560	230 104 56.5 24
	220	Use 110 volt relay with 5000 Ohms, 5 watt resistor in series.	

	Nominal Voltage	Resistance in Ohms ±15% @ 25°C	Nominal Current Milliamperes	
	Up to 4 Pole Relays			
	24	42	210	
AC	120	1030	44	
Coils	240	4100	22	
	For 5 Pole Relays			
	24	27	325	
	120	700	68	

## Operate Data @ +25°C

Must-Operate Voltage:

**DC:** 75% of nominal voltage. **AC:** 85% of nominal voltage.

Operate Time: 25 milliseconds excluding bounce.

### **Initial Dielectric Strength**

Between Open Contacts: 500V rms. Between Adjacent Contacts: 1,000V rms. Between Contacts and Coil: 1,000V rms.

#### **Environmental Data**

Temperature Range: Storage: 105°C.

Operating: -45°C to +85°C.

#### Coil Data @ +25°C

Nominal Power: DC Coils: 2.7W.

**AC Coils:** 5.3VA to 4 pole; 7.8VA to 5 pole. **Maximum Power:** DC coils - 4.0W.

Duty Cycle: Intermittent.

Initial Insulation Resistance: 100 megohms.

## **Mechanical Data**

**Termination:** See terminals table on next page.

Enclosures: Plastic dust cover standard. Hermetically sealed

metal case available on special order.

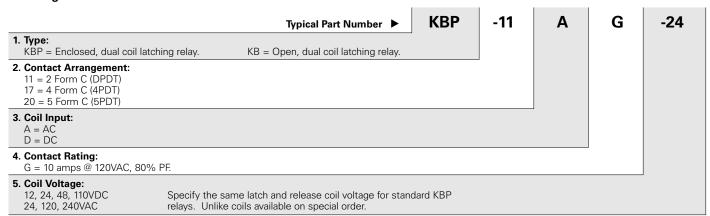
Weight: 10.8 oz. (306g) approximately.

 tyco
 Catalog 1308242

 Electronics
 Issued 3-03

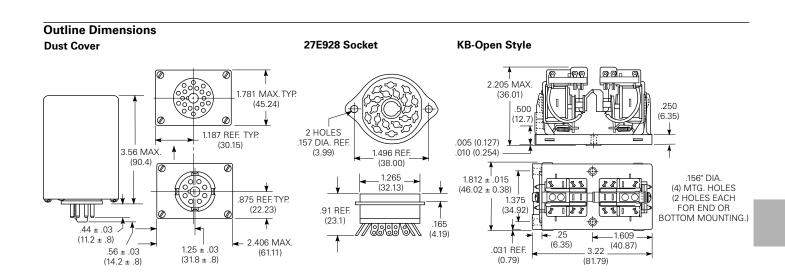
 P&B

#### **Ordering Information**

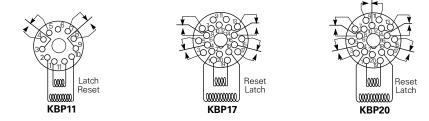


## Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.

KB-17AG-120 KBP-11AG-120 KBP-11DG-110 KB-17DG-12 KBP-11DG-24 KBP-20AG-120



## Wiring Diagrams (Bottom Views)



Note: Shown with reset coil energized last.