

KBP series

10 Amp Dual Coil Latching Relay

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.

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.

Initial Dielectric Strength

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

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.

Coil Data

	Nominal Voltage	Resistance in Ohms ±10% @ 25°C	Nominal Current Milliamperes
DC Coils (to 5 pole)	12	52.0	230
	24	230	104
	48	850	56.5
	110	4560	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**
AC Coils	**Up to 4 Pole Relays**		
	24	42	210
	120	1030	44
	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.

Environmental Data

Temperature Range:
Storage: 105°C.
Operating: -45°C to +85°C.

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.

Dimensions are shown for reference purposes only.
Dimensions are in inches over (millimeters) unless otherwise specified.
Specifications and availability subject to change.

Ordering Information

	Typical Part Number ▶	KBP	-11	A	G	-24

1. Type:
KBP = Enclosed, dual coil latching relay. KB = Open, dual coil latching relay.

2. Contact Arrangement:
11 = 2 Form C (DPDT)
17 = 4 Form C (4PDT)
20 = 5 Form C (5PDT)

3. Coil Input:
A = AC
D = DC

4. Contact Rating:
G = 10 amps @ 120VAC, 80% PF.

5. Coil Voltage:
12, 24, 48, 110VDC
24, 120, 240VAC

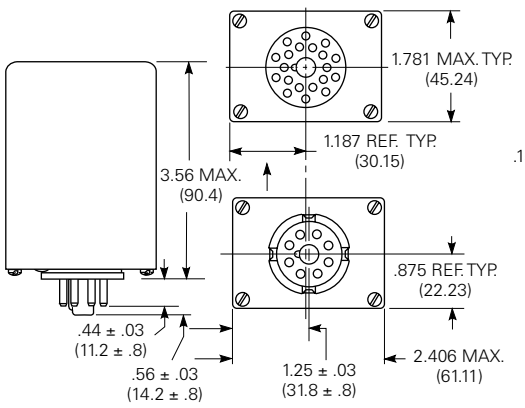
Specify the same latch and release coil voltage for standard KBP relays. Unlike coils available on special order.

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

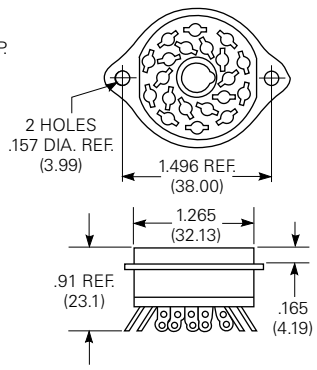
KB-17AG-120	KBP-11AG-120	KBP-11DG-110
KB-17DG-12	KBP-11DG-24	KBP-20AG-120

Outline Dimensions

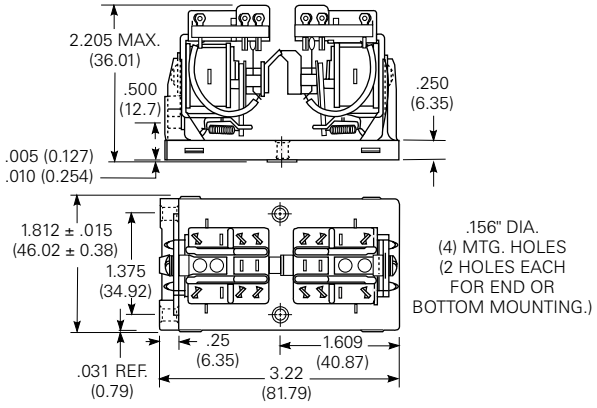
Dust Cover



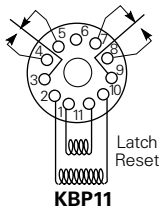
27E928 Socket



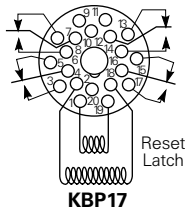
KB-Open Style



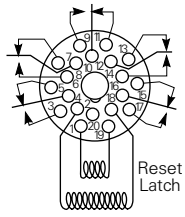
Wiring Diagrams (Bottom Views)



KBP11



KBP17



KBP20

Note: Shown with reset coil energized last.