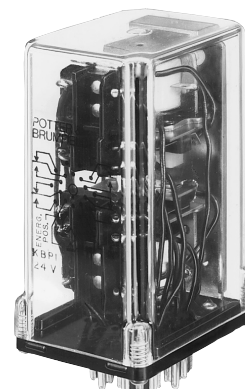## KBP Series Panel Relay

- Dual coil latching relay accepts a momentary impulse to one coil to latch and a second impulse to the other coil to release
- Clear polycarbonate dust cover with 11- or 20-pin plug
- 11- or 20-pin octal-style plug connector
- AC and DC coils
- Two, four, and five pole Form C (CO) contact arrangements

Typical applications
Elevator controls

Approvals

Contact Data

	2 pole	4 pole	5 pole
Contact arrangement	2 form C (CO)	4 form C (CO)	5 form C (CO)
Rated voltage	120VAC		
Rated current	10A		
Contact material	Ag, AgCdO		
Min. recommended contact load			
Ag contacts	100mA, 12VDC		
AgCdO contacts	300mA, 12VDC		
Initial contact resistance			
Ag contacts	100mΩ		
AgCdO contacts	200mΩ		
Frequency of operation	360 ops./hour		

Contact ratings

Type	Load	Cycles
UL 508		
Ag	5A, 120VAC	50×10^3
AgCdO	10A, 120VAC	50×10^3
Mechanical endurance	500×10^3 ops.	

Coil Data

Coil voltage range	12 to 220VDC
	6 to 240VAC

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Coil resistance Ω±10%	Rated coil power W
12	12	9	52	2.8
24	24	18	230	2.5
48	48	36	850	2.71
110	110	82.5	4560	2.65
–	220	165	Use 110VDC relay with 5KΩ, 5W resistor in series	2.42

All figures are given for coil without preenergization, at ambient temperature +23°C.

Coil Data (continued)

Coil versions, AC coil

Coil code	Rated voltage VAC	Operate voltage VAC	Coil resistance Ω±15%	Rated coil power VA
2 and 4 pole models				
24	24	20.004	42	5.05
120	120	102	1030	5.3
240	240	204	4100	5.3
5 pole models				
24	24	20.4	27	7.8
120	120	102	700	8.2

All figures are given for coil without preenergization, at ambient temperature +23°C

Insulation Data

Initial dielectric strength	
between open contacts	$500V_{rms}$
between contact and coil	$1000V_{rms}$
between adjacent contacts	$1000V_{rms}$
Initial insulation resistance	
between insulated elements	100MΩ

Other Data

| Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter	
Ambient temperature	-45°C to 85°C
Category of environmental protection	
IEC 61810	RTI - dust protected and RT0 - open style
Terminal type	11- or 20-pin octal-style plug
Weight	306g
Packaging/unit	tray/25 pcs., box/60pcs.

Accessories

For details see datasheet	Sockets and Accessories, KBP Relays

Product Code	Description
27E892	DIN 11 pin octal socket
27E123	Track mount 11 pin octal socket
27E928	17 and 20 pin octal socket

KBP Series Panel Relay (Continued)
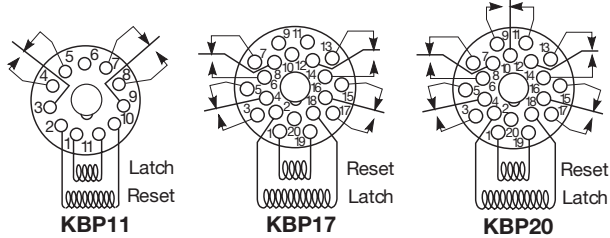
Dimensions

KBP - enclosed
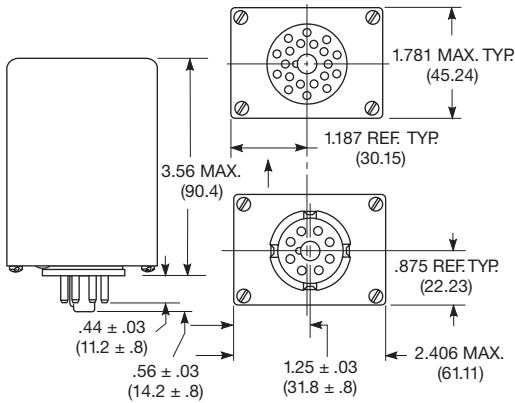
KB - open style
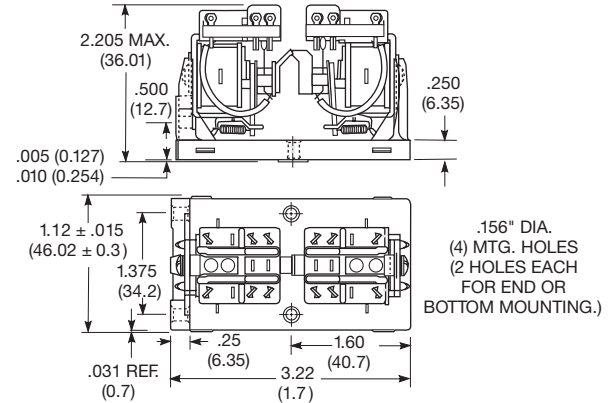
Terminal assignment

2 Form C

Latch
Reset

KBP11

4 Form C

Reset
Latch

KBP17

5 Form C

Reset
Latch

KBP20

Note: Shown with reset coil energized last.

Product code structure

Typical product code   **-KBP   -11   A   G   -24**

Type

KBP	Enclosed, dual coil mechanical latching relay	
KB	Open, dual coil mechanical latching relay	

Contact arrangement

11	2 form C (2CO)		**20**	5 form C (5CO)
17	4 form C (4CO)			

Coil input

A	AC		**D**	DC

Contact rating

Blank	5A, 120VAC (Ag)		**G**	10A, 120VAC, 80% PF (AgCdO)

Coil voltage

Coil code: please refer to coil versions table
Specify the same latch and release coil voltage for standard relays.
Unlike coils available on special order.

Product Code	Arrangement	Case style	Contact material	Coil	Part Number
KB-17AG-120	4 form C, 4 CO	open	AgCdO	120VAC	1-1393100-2
KB-17DG-12				12VDC	1-1393100-5
KBP-11AG-120	2 form C, 2 CO	enclosed		120VAC	2-1393100-4
KBP-11DG-24				24VDC	2-1393100-6
KBP-11DG-110				110VDC	2-1393100-5
KBP-20AG-120	5 form C, 5 CO			120VAC	3-1393100-4