# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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97

### **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

UL E29244	
Technical data of approved types on request	í.

Contact I	Data	2 pole	4 pole	5 pole	
Contact arra	angement	2 form C (CO) 4 form C (CO) 5 form C (CC			
Rated voltag	ge		120VAC		
Rated curre	nt		10A		
Contact ma	terial		Ag, AgCdO		
Min. recomr	mended contact load				
Ag conta	cts	1	00mA, 12VD0	0	
AgCdO contacts		Э	300mA, 12VD0	0	
Initial contac	ct resistance				
Ag conta	cts		100mΩ		
AgCdO c	contacts		200mΩ		
Frequency of	of operation		360 ops./hour		
Contact ra	tings				
Туре	Load			Cycles	
UL 508				-	
Ag	5A, 120VAC			50x10 <sup>3</sup>	
AaCdO	10A 120VAC			50x10 <sup>3</sup>	

AgCdO	10A, 120VAC		50x10 <sup>3</sup>
Mechanical e	ndurance	500x10 <sup>3</sup> ops.	

ita						
Coil voltage range 12 to 220VDC						
		6 to 240VAC				
sions, DC coil						
Rated	Operate	Coil	Rated coil			
voltage	voltage	resistance	power			
VDC	VDC	Ω±10%	W			
12	9	52	2.8			
24	18	230	2.5			
48	36	850	2.71			
110	82.5	4560	2.65			
220	165	Use 110VDC relay	2.42			
with 5KΩ, 5W						
		resistor in series				
	ge range sions, DC coil Rated voltage VDC 12 24 48 110 220	ge range sions, DC coil Rated Operate voltage voltage VDC VDC 12 9 24 18 48 36 110 82.5 220 165	ge range 12 to 220VDC 6 to 240VAC   sions, DC coil Coil   Rated Operate Coil   voltage voltage resistance   VDC VDC Ω±10%   12 9 52   24 18 230   48 36 850   110 82.5 4560   220 165 Use 110VDC relay with 5KΩ, 5W			

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



### Coil Data (continued)

Coil versions, AC coil							
Coil	Rated	Operate	Coil	Rated coil			
code	voltage	voltage	resistance	power			
	VAC	VAC	Ω±15%	VA			
2 and 4 p	oole models						
24	24	20.004	42	5.05			
120	120	102	1030	5.3			
240	240	204	4100	5.3			
5 pole m	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	500Vrms	
between contact and coil	1000V <sub>rms</sub>	
between adjacent contacts	1000V <sub>rms</sub>	
Initial insulation resistance		
between insulated elements	100MΩ	

### **Other Data**

EACH, Halogen content
L .or i, i laiogori ooritorit
ce Support Center at
t/rohssupportcenter
C to 85°C
t protected and
open style
in octal-style plug
306g
cs., box/60pcs.

### Accessories

For details see datasheet Sockets and Accessories, KBP Relays

Description
DIN 11 pin octal socket
Track mount 11 pin octal socket
17 and 20 pin octal socket

Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

Datasheets and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at <a href="http://relays.te.com/definitions">http://relays.te.com/definitions</a>

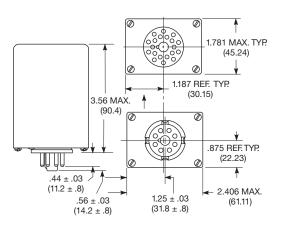
Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change. 1



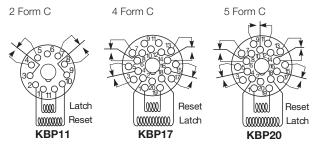
### KBP Series Panel Relay (Continued)

### Dimensions

KBP - enclosed



### Terminal assignment



Note: Shown with reset coil energized last.

Product code structure		Typical product code	-KBP	-11	Α	G	-24
Туре							
KBP Enclosed, dual coil mechanical latch	hing relay	/					
KB Open, dual coil mechanical latching	g relay						
Contact arrangement							
11 2 form C (2CO)	20	5 form C (5CO)					
<b>17</b> 4 form C (4CO)							
Coil input					-		
A AC	D	DC					
Contact rating						1	
Blank 5A, 120VAC (Ag)	G	10A, 120VAC, 80% PF (AgCdO)					
Coil voltage							,
Coil code: please refer to coil versions table	Э						
Specify the same latch and release coil volt	age for s	tandard 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

2

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KB - open style

