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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	

Contact I	Data	2 pole	4 pole	5 pole		
Contact arra		2 form C (CO) 4 form C (CO) 5 form C (CO				
Rated voltage	ge	120VAC				
Rated curre	ent		10A			
Contact ma	iterial		Ag, AgCdO			
Min. recom	mended contact load					
Ag conta	icts	1	00mA, 12VD0	0		
AgCdO contacts		3	300mA, 12VD0	0		
Initial contac	ct resistance					
Ag conta	icts		100mΩ			
AgCdO c	contacts		200mΩ			
Frequency of	of operation	360 ops./hour				
Contact ra	tings					
Туре	Load			Cycles		
UL 508						
Ag	5A, 120VAC	50x10				
AaCdO	10A 120VAC	50x10 ³				

AgCdO 10A, 120VAC	50x10 ³
Mechanical endurance	500x10 ³ ops.

Coil Da	ita					
Coil voltage range 12 to 220VDC						
			6 to 240VAC			
Coil vers	sions, DC coil					
Coil	Rated	Operate	Coil	Rated coil		
code	voltage	voltage	resistance	power		
	VDC	VDC	Ω±10%	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	2.42		
	with 5KΩ, 5W					
			resistor in series			

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	500V _{rms}	
between contact and coil	1000V _{rms}	
between adjacent contacts	1000V _{rms}	
Initial insulation resistance		
between insulated elements	100MΩ	

Other Data

etilor Bata					
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content					
refer to the Pro	refer to the Product Compliance Support Center at				
www.te.com/ci	ustomersupport/rohssupportcenter				
Ambient temperature	-45°C to 85°C				
Category of environmental protection	1				
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.				
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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 http://relays.te.com/definitions

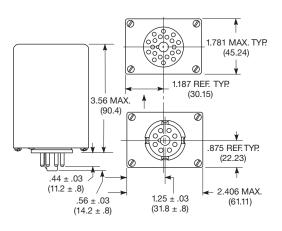
Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change. 1



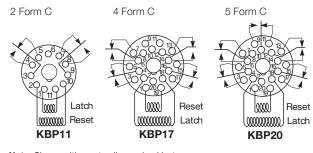
KBP Series Panel Relay (Continued)

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 latchi	0 ,						
KB Open, dual coil mechanical latching	relay						
Contact arrangement							
11 2 form C (2CO)	20 5 form C (50	0)					
17 4 form C (4CO)	· ·						
Coil input					_		
A AC	D DC						
Contact rating						1	
Blank 5A, 120VAC (Ag)	G 10A, 120VA0	C, 80% PF (AgCdO)					
Coil voltage							
Coil code: please refer to coil versions table							
Specify the same latch and release coil volta	ae for standard relav	'S.					
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

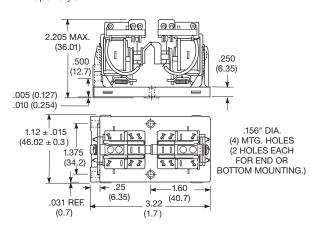
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KB - open style



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