

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





Contact Data	2 pole	4 pole	5 pole
Contact arrangement		4 form C (CO) {	
Rated voltage		120VAC	
Rated current		10A	
Contact material		Ag, AgCdO	
Min. recommended contact load			
Ag contacts	1	00mA, 12VDC	;
AgCdO contacts	3	00mA, 12VDC	;
Initial contact resistance			
Ag contacts		$100 m\Omega$	
AgCdO contacts		$200 \text{m}\Omega$	
Frequency of operation	4	360 ops./hour	

Contact ratings				
Туре	Load		Cycles	
UL 508				
Ag	5A, 120VAC		$50x10^3$	
AgCdO	10A, 120VAC		50x10 ³	
Mechanical	endurance	500x10 ³ ops.		

Coil Data				
Coil volta	ige 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 with 5KΩ, 5W	2.42
			resistor in series	

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



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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	odels			
24	24	20.4	27	7.8
120	120	102	700	8.2
All figures a	are given for coil wit	hout preenergization,	at ambient temperatur	re +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	100ΜΩ

Other Data	
A - A I I	ELLD-LIO/ELV/ Obit D-LIO

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter

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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				

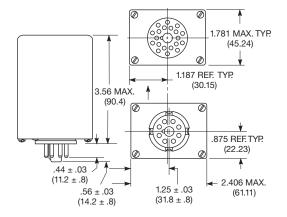
Product Code	Description
27E892	DIN 11 pin octal socket
27E123	Track mount 11 pin octal socket
27E928	17 and 20 pin octal socket



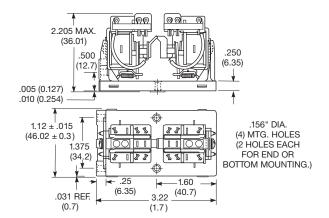
KBP Series Panel Relay (Continued)

Dimensions

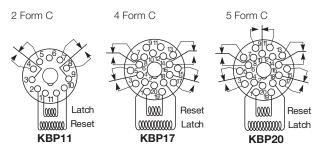
KBP - enclosed



KB - open style



Terminal assignment



Note: Shown with reset coil energized last.

-KBP Product code structure Typical product code -11 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 AC **D** DC Α 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

Mouser Electronics

Authorized Distributor

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TE Connectivity: KBP-20AG-120