

## **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	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	1	00mA, 12VDC	;
AgCdO contacts	300mA, 12VDC		
Initial contact resistance			
Ag contacts		$100 \text{m}\Omega$	
AgCdO contacts		$200 m\Omega$	
Frequency of operation	(	360 ops./hour	

Contact ratings			
Туре	Load		Cycles
UL 508			
Ag	5A, 120VAC		50x10 <sup>3</sup>
AgCdO	10A, 120VAC		50x10 <sup>3</sup>
Mechanical	endurance	500x10 <sup>3</sup> ops.	

Coil Da	ata			
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.



R

Coil Data (continued	4)
----------------------	----

Coil versions, AC coil					
Coil	Rated	Operate	Coil	Rated coil	
code	voltage	voltage	resistance	power	
	VAC	VAC	$\Omega \pm 15\%$	VA	
2 and 4 p	oole models				
24	24	20.004	42	5.05	
120	120	102	1030	5.3	
240	240	204	204 4100		
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 <sub>rms</sub>
between contact and coil	1000V <sub>rms</sub>
between adjacent contacts	1000V <sub>rms</sub>
Initial insulation resistance	
between insulated elements	100ΜΩ

Other Data
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content

refer to the Product Compliance Support Center at <a href="https://www.te.com/customersupport/rohssupportcenter">www.te.com/customersupport/rohssupportcenter</a>

Ambient temperature -45°C to 85°C

Category of environmental protection
IEC 61810 RTI - dust protected and
RTO - 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

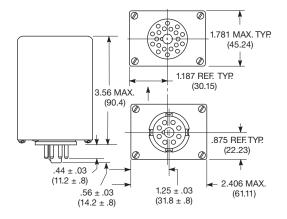
Product Code	Description
27E892	DIN 11 pin octal socket
27E123	Track mount 11 pin octal socket
27E928	17 and 20 pin octal socket



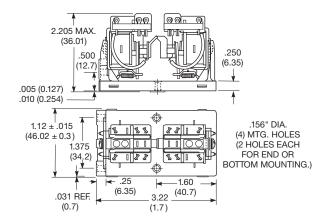
# KBP Series Panel Relay (Continued)

#### **Dimensions**

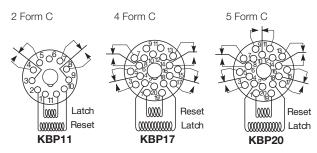
KBP - enclosed



### KB - open style



#### Terminal assignment



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

# **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for General Purpose Relays category:

Click to view products by TE Connectivity manufacturer:

Other Similar products are found below:

```
APF30318 JVN1AF-4.5V-F PCN-105D3MHZ 5JO-10000S-SIL 5JO-1000CD-SIL 5JO-400CD-SIL LY2S-AC220/240 LYQ20DC12
6031007G 6131406HQ 6-1393099-8 6-1393122-4 6-1393123-2 6-1393767-1 6-1393843-7 6-1415012-1 6-1419102-2 6-1423698-4 6-
1608051-6 6-1608067-0 6-1616170-6 6-1616248-2 6-1616282-3 6-1616348-2 6-1616349-9 6-1616350-1 6-1616350-8 6-1616358-7 6-
1616359-9 6-1616360-9 6-1616931-6 6-1617039-1 6-1617052-1 6-1617090-2 6-1617090-5 6-1617347-5 6-1617353-3 6-1617801-8 6-
1618107-9 6-1618248-4 CX-4014 MAHC-5494 MAVCD-5419-6 703XCX-120A 7-1393100-5 7-1393111-7 7-1393767-8 7-1414968-8 7-
1419130-3 7-1608047-2
```