TEXE_ELL

Miniature High Power Relay

Features

- 10A switching capability
- Multiple switching capability (2C, 3C type)
- Standard electrontube terminal
- Socket available
- Test button type available



KMK

C \$1 US (File No.:E134581)

1. COIL DATA (at 23°C)

1) DC Type

Nominal Voltage (VDC)	Pick-up Voltage (VDC)	Drop-out Voltage (VDC)	Max Allowable Voltage (VDC)	Coil Resistance (Ω)	Coil Power (W)
6	4.80	0.6	7.20	23.5 x (1±10%)	
12	9.60	1.2	14.4	120 x (1±10%)	
24	19.2	2.4	28.8	470 x (1±10%)	
48	38.4	4.8	57.6	1800 x (1±10%)	
60	48	6	72	2790 x (1±10%)	Approx. 1.4
100	80	10	120	7500 x (1±10%)	
110	88	11	132	7500 x (1±10%)	
120	96	12	144	7500 x (1±10%)	
220	176	22	264	37000 x (1±10%)	



2) AC Type					
Nominal Voltage	Pick-up Voltage	Drop-out Voltage	Max Allowable	Coil Resistance	Coil Power
(VAC)	(VAC)	(VAC)	Voltage (VAC)	(Ω)	(VA)
6	4.80	1.8	7.20	3.9 x (1±10%)	
12	9.60	3.6	14.4	16.9 x (1±10%)	
24	19.2	7.2	28.8	72 x (1±10%)	
48	38.4	14.4	57.6	290 x (1±10%)	
110	88	33	132	1700 x (1±10%)	
120	96	36	144	1700 x (1±10%)	Approx. 3
110/120	88	36	132	1700 x (1±10%)	
220	176	36	264	6500 x (1±10%)	
230	184	69	276	6500 x (1±10%)	
220/240	176	72	264	6500 x (1±10%)	
240	192	72	288	6500 x (1±10%)	

Notes: 1) All values unspecified are at room temperature.

2) Maximum allowable voltage refers to the maximum voltage which relay coil could endure in a short period of time.

2. CONTACT DATA

Contact Arrangement		2C	3C	
Contact Resistance		100mΩ max. (at 1A 24VDC)		
Contact Material		AgSnO ₂		
Contact Ratings (Resistive load)		10A 250VAC / 30VDC	NO:10A 250VAC /30VDC NC: 5A 250VAC / 30VDC	
Max. Switching Voltage		250VAC / 30VDC		
Max. Switching Current		10A		
Max. Switching Power		2500VA / 300W		
Life Expectancy	Electrical	100,000 operations		
	Mechanical	10,000,000 operations		

Notes: The data shown above are initial values.



3. CHARACTERISTICS

Insulation Resistance		1000MΩ (at 500VDC)	
Dielectric Strength	Open Contacts	1500VAC 1min	
	Coil and Contacts	2500VAC 1min	
	Contact Sets	2000VAC 1min	
Operate Time (at nominal voltage)		30ms max. (DC)	
Release Time (at nominal voltage)		30ms max. (DC)	
Temperature Rise (at nominal voltage)		100K max.	
Temperature Range		-40°C ~ 55°C	
Shook Desistance	Functional	98m/s ²	
Shock Resistance	Destructive	980m/s ²	
Vibration Resistance		10 ~ 55Hz 1.5mm DA	
Humidity		5 ~ 85% RH	
Termination		Standard electrontube terminal	
Construction		Dust protected	
Weight		Approx. 90g	
Outline Dimension (L x W x H)		35.0 x 35.5 x 55.6mm	

4. SAFETY APPROVAL

	10A 250VAC / 30VDC
	1/3HP 120VAC
UL / CUL	1/3HP 240VAC
	1/2HP 277VAC



5. ORDERING INFORMATION

KMK 2 - D24 L T G ① ② ③ ④ ⑤ ⑥			
① Relay Model	КМК		
Contact Arrangement	2 : 2 Form C (DPDT)		
	3 : 3 Form C (3PDT)		
	DC: D6=6VDC, D12=12VDC, D24=24VDC, D48=48VDC,		
	D60=60VDC,D100=100VDC, D110=110VDC, D120=120VDC,		
	D220=220VDC		
③ Coil Voltage	AC: A6=6VAC, A12=12VAC, A24=24VAC, A48=48VAC,		
	A110=110VAC, A120=120VAC, A110/120=110/120VAC,		
	A220-220VAC, A230=230VAC, A220/240=220/240VAC,		
	A240=240VAC		
	Nil: Without LED		
④ LED	L: With LED		
	DL: With LED and diode (only for DC type)		
	Nil: Without test button		
(5) Push Bullon	T: With test button		
Contact Disting	Nil: No gold plated		
	G: Gold plated		



6. DIMENSIONS (Unit: mm)

Outline Dimensions (Bottom view)













2 Form C (Without Test Button)

3 Form C (Without Test Button)

2 Form C (With Test Button)

3 Form C (With Test Button)



Wiring Diagram (Bottom View)

2 Form C



3 Form C





2 Form C (With LED)

3 Form C (With LED)





3 Form C (With LED, With fly-wheel diode)



3 Form C (Without test button)







© Texcell Co., Ltd. All rights reserved.



7. CHARACTERISTIC CURVES



Resistive Endurance Curve







3 Form C





© Texcell Co., Ltd. All rights reserved.