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SPECIFICATIONS

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- Compact size (19.2 X 15.5 X 15.5)
- Small mounting space
- Sealed type
- Class B and Class F available



1. TYPE: KB RELAY (P/C Board type)
2. COIL

Nominal Voltage (VDC)	3	5	6	9	12	18	24	48	0.36W
Coil Resistance ($\Omega \pm 10\%$)	25	69	100	225	400	900	1600	6400	
Rated Current (mA)	120	71.4	60	40	30	20	15	7.5	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	13.5	18	36	
Min Release Voltage (VDC)	0.15	0.25	0.3	0.45	0.6	0.9	1.2	2.4	
Coil Resistance ($\Omega \pm 10\%$)	20	56	80	180	320	720	1280	5120	0.45W
Rated Current (mA)	150	90	75	50	37.5	25	18.7	9	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	13.5	18	36	
Min Release Voltage (VDC)	0.15	0.25	0.3	0.45	0.6	0.9	1.2	2.4	
Max Applicable Voltage	130% of nominal voltage at 70°C, 170% of nominal voltage of 23°C								

At 20°C

3. CONTACTS

3-1) Contact arrangement : 1 Form A, 1 Form C

3-2) Contact Material : AgSnO₂

3-3) Contact resistance : Max. 100m Ω at 1A 6VDC

3-4) Load : Resistive load(COS Φ =1)

3-5) Contact ratings :

⊙ 1 Form A => 15A 125VAC, 10A 240VDC, 12A 120VAC
7A 250VAC/30VDC

⊙ 1 Form C => 15A 125VAC, 7A 240VAC, 10A 120VAC
7A 250VAC/30VDC



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SPECIFICATIONS

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3-6) Max. switching voltage : 250VAC/30VDC

3-7) Max. switching current : 15A

3-8) Max. switching power : 2770VA/240W

3-9) Minimum load : 100mA 5VDC

4. CHARACTERISTICS

4-1) Operate time : 10msec

4-2) Release time : 5msec

4-3) Insulation resistance : Min. 100M Ω (at 500VDC)

4-4) Dielectric strength

⊙ Between open contacts : AC 750 Volt (50/60Hz for one minute)

⊙ Between coil and contacts :

AC 1,500Volt (50/60Hz for one minute)

4-5) Vibration resistance : 10 to 55Hz, 1.5mm

4-6) Shock resistance

⊙ Operating Extremes :10G

⊙ Damage Limits : 100G

4-7) Ambient temperature : -40 to + 70 $^{\circ}$ C

4-8) Humidity : 40 to 85%

4-9) Life expectancy

⊙ Mechanical :

Min. 10,000,000 operations(at 300 operations/minute)

⊙ Electrical : Min. 100,000 operations (at 30 operations/minute)

4-10) Max. switching frequency

⊙ Mechanical : 18,000 operations / hour

⊙ Electrical : 1,800 operations / hour

4-11) Weight : Approx. 10g

4-12) Outline dimension (L x W x H) : 19.2 x 15.5 x 15.5

4-13) Safety standard : cUL, TUV



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ORDERING INFORMATION

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5. ORDERING INFORMATION

EX.) KB 1 - H 12 S F S

Contact Arrangement	Contact Current	Coil Voltage	Sealed type	Insulated Level	Coil Power
1 : 1 Form C 11: 1 Form A	H : 15A	3, 5, 6, 9, 12, 18, 24, 48 VDC		Nil : Standard Type F : Class F	S : 0.36W H : 0.45W

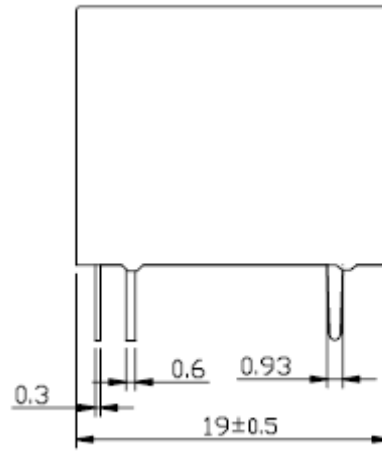
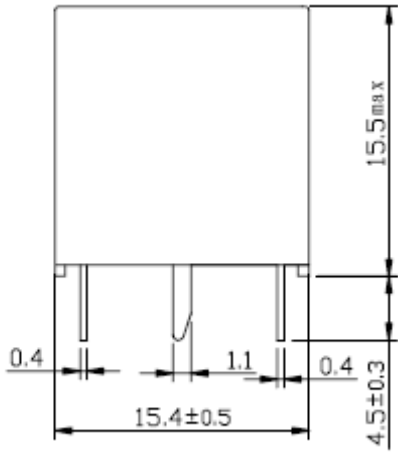
TO :	DATE :
TEXCELL NETCOM CO., LTD.	DRAWN BY: CHECK BY:
DEVELOPMENT DEPT	APPROVED BY:



TITLE

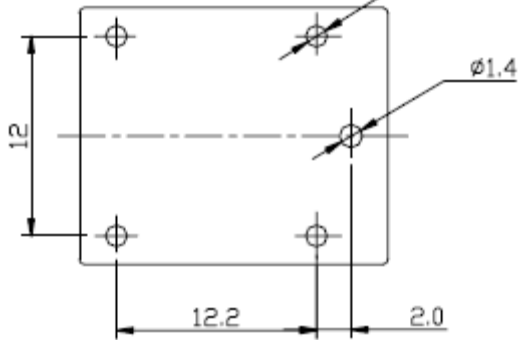
DIMENSIONS

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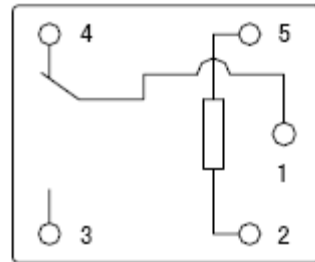


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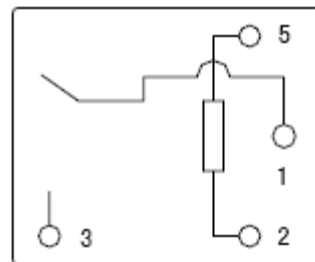
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按线图



Form C



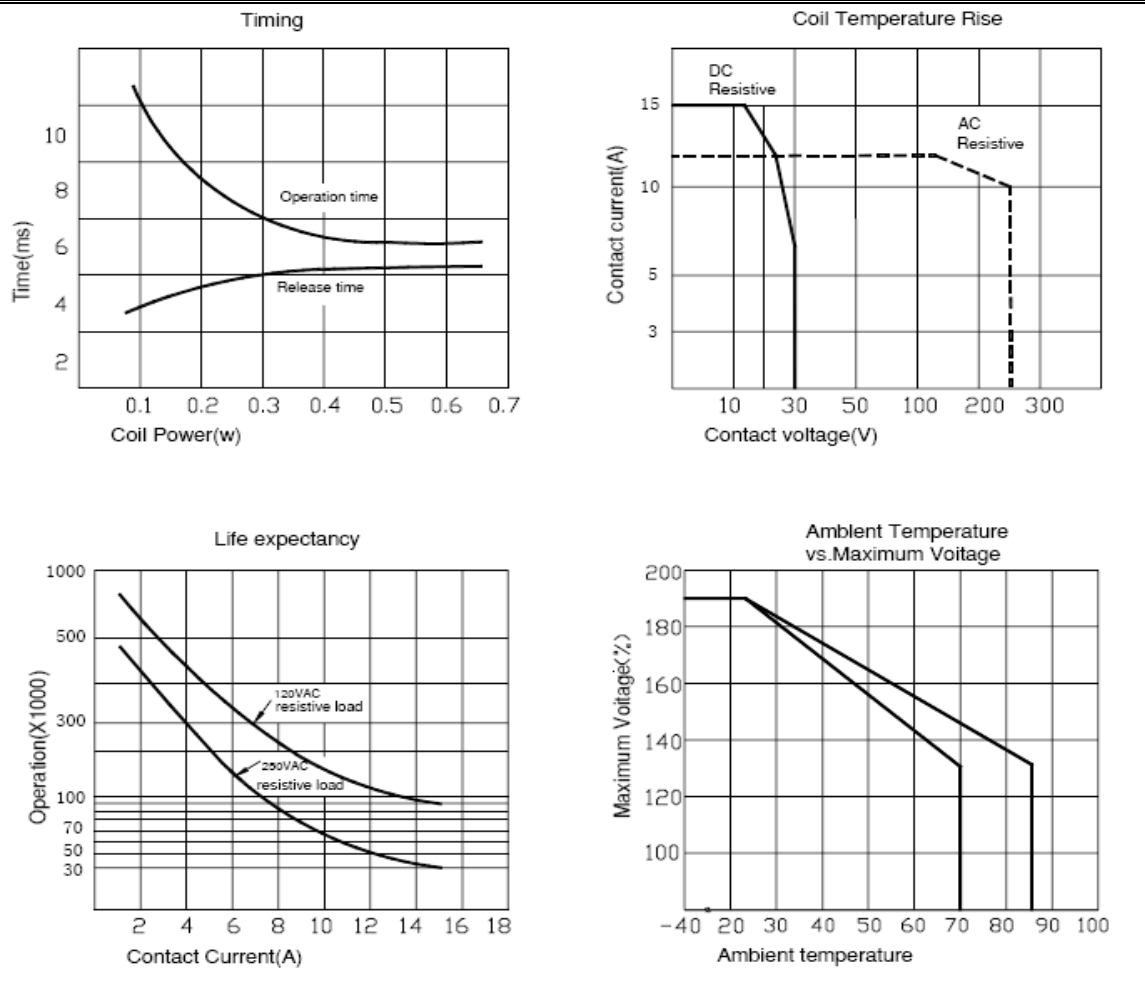
Form A



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DIMENSIONS

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**** Disclaimer ****

This data sheet is for the customer's reference. All the specifications are subject to change without notice. We could not evaluate all the performance and all parameters for every possible application. Thus the user should be in right position to choose the suitable product for own application. If there is any query, please contact to Texcell Netcom Co., Ltd. for the technical service. However, it is the user's responsibility to determine which product should be used only.

TO:	DATE:
TEXCELL NETCOM CO., LTD.	DRAWN BY: CHECKED BY:
DEVELOPMENT DEPT.	APPROVED BY: