

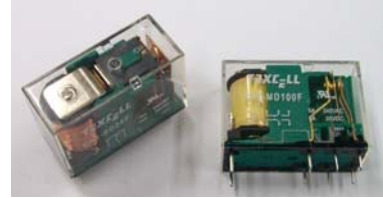


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SPECIFICATIONS

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- Various configuration (1A, 1C, 2A, 2C)
- 5A, 10A, 16A switching capability
- Transparent sealed cover
- 5KV dielectric between coil and contacts
- Creepage distance : 8mm Min for 2 pole
- Class B and F available



1. TYPE: CH RELAY (P/C Board type)

2. COIL

Nominal Voltage (VDC)	3	5	6	9	12	24	48	100	
Coil Resistance ($\Omega \pm 10\%$)	17	46	67	150	270	1050	4250	22400	0.54W
Rated Current (mA)	180	108	90	60	45	22.5	11.3	5	
Max Operate Voltage (VDC)	2.4	4	4.8	7.2	9.6	19.2	38.4	88	
Min Release Voltage (VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	5.5	
Max Applicable Voltage	130% of nominal voltage at 70°C, 170% of nominal voltage at 23°C								

At 20°C

3. CONTACTS

3-1) Contact arrangement : 1 Form A, 1 Form C
2 Form A, 2 Form C

3-2) Contact Material : AgSnO₂

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

3-4) Contact ratings (Resistive load) :

M (2 Form A, 2 Form C) : 5A 240VAC, 5A 30VDC

H (1 Form A, 1 Form C) : 10A 240VAC, 10A 30VDC

E (1 Form A, 1 Form C) : 16A 240VAC, 16A 30VDC

3-5) Max. switching voltage : 250VAC/30VDC

3-6) Max. switching current :

M (2 Form A, 2 Form C) : 8A

H (1 Form A, 1 Form C) : 12A

E (1 Form A, 1 Form C) : 20A



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3-7) Max. switching power :

M (2 Form A, 2 Form C) : 1250VA/240W

H (1 Form A, 1 Form C) : 2500VA/300W

E (1 Form A, 1 Form C) : 4800VA/480W

3-8) Minimum load : 100mA 5VDC

4. CHARACTERISTICS

4-1) Operate time (Excluding bounce) : Max. 20msec

4-2) Release time (Excluding bounce) : Max. 10msec

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

4-4) Dielectric strength

⊙ Between open contacts : AC 1,000 Volt / one minute

⊙ Between coil and contacts : AC 5,000Volt / one minute

4-5) Vibration resistance : 10 to 55Hz double amplitude of 1.5mm

4-6) Shock resistance

⊙ Functional : Min. 10G

⊙ Destructive : Min. 100G

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

4-8) Humidity : 40 to 85% RH

4-9) Life expectancy

⊙ Mechanical : Min. 10,000,000 operations

⊙ 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. 14g

4-12) Outline dimension (L x W x H) : 29.5 x 13 x 20.6

4-13) Safety standard : cUL



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5. ORDERING INFORMATION

EX.) CH 11 - E D12 F

Model	Contact Configuration	Contact Rating	Coil Voltage	Coil Power
CH	1: 1 Form C	H : 10A	3, 5, 6, 9, 12, 24, 48, 100 VDC	F : 0.54W
	11: 1 Form A	E : 16A		
	2 : 2 Form C	M : 5A		
	22: 2 Form A			

** 100 voltage is only for 2 from A & 2 form C

**** 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.

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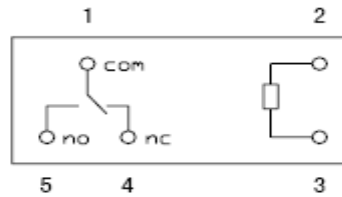
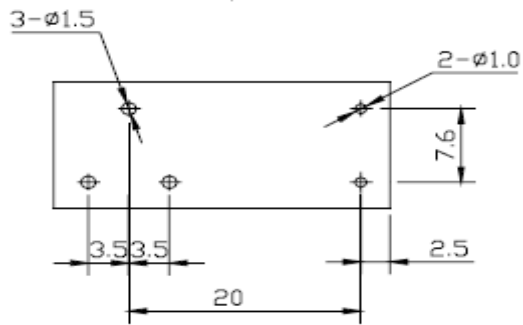
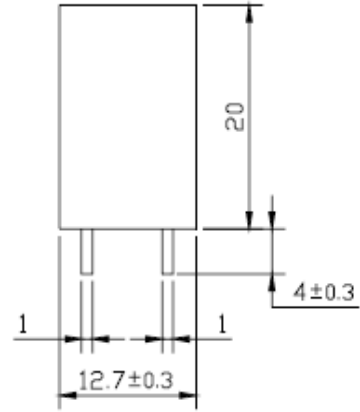
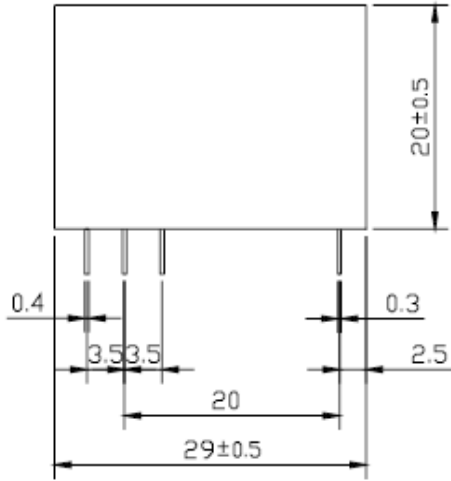


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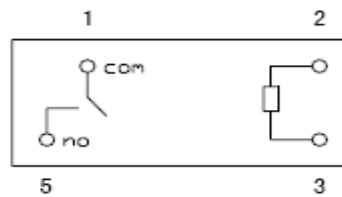
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1) H (10A)



Form C



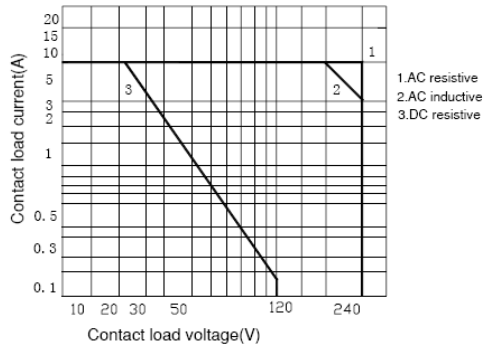
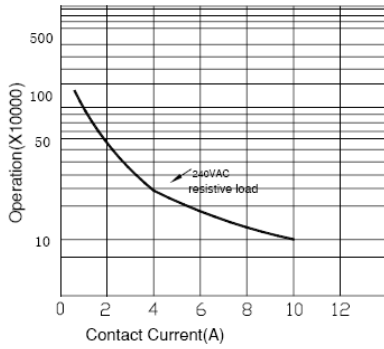
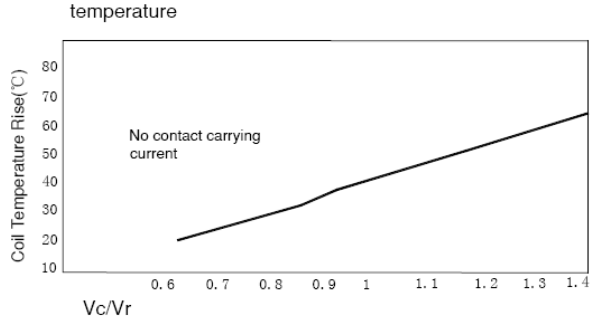
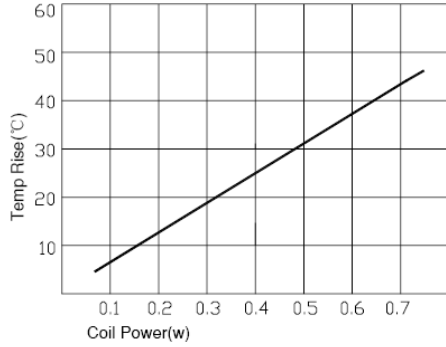
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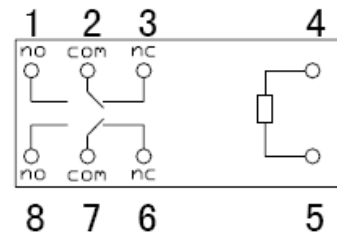
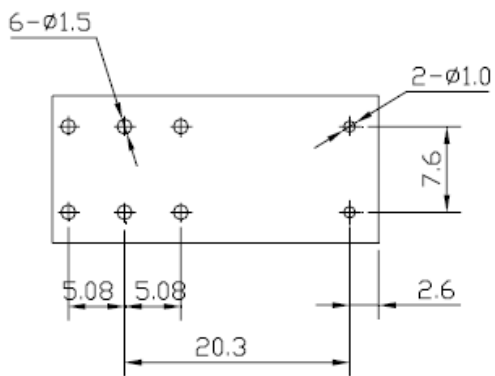
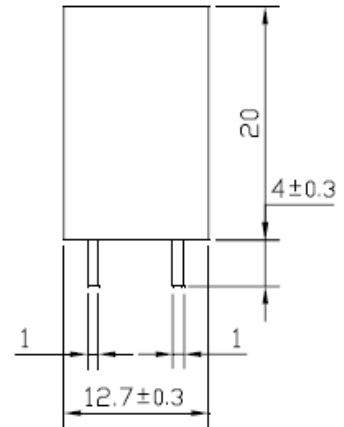
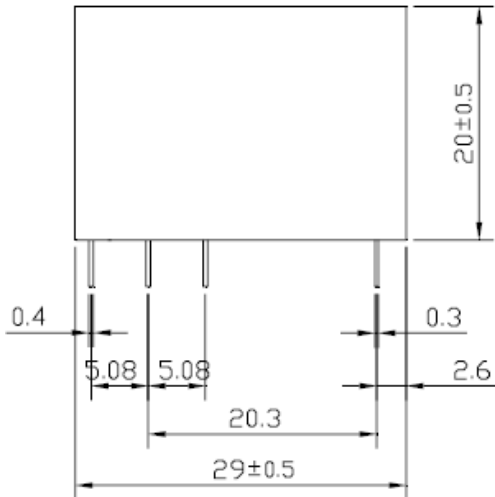


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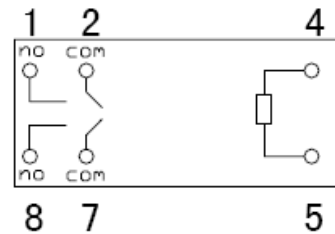
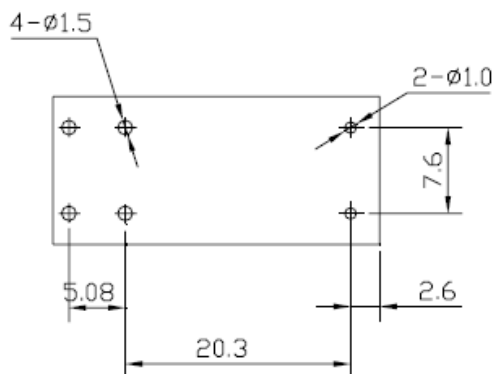
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1) E (16A)



Form C



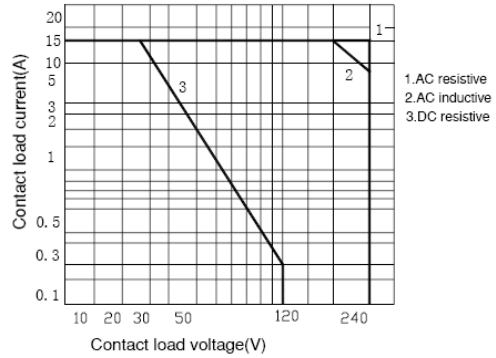
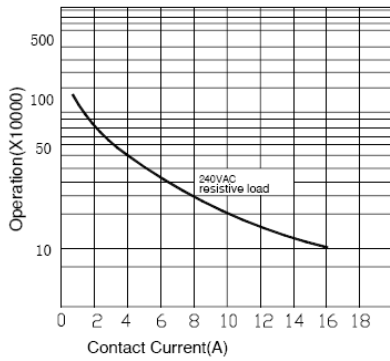
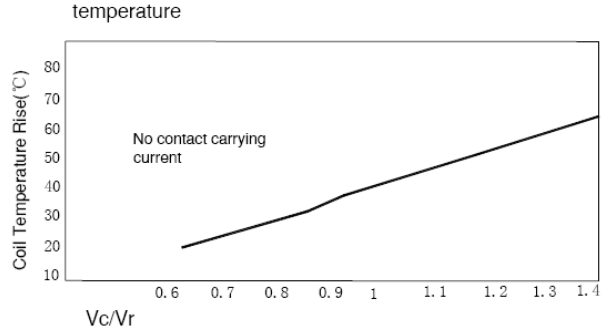
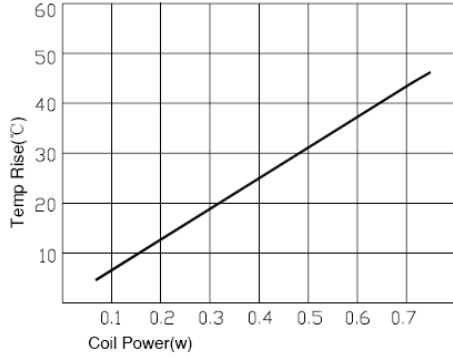
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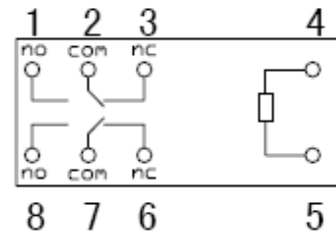
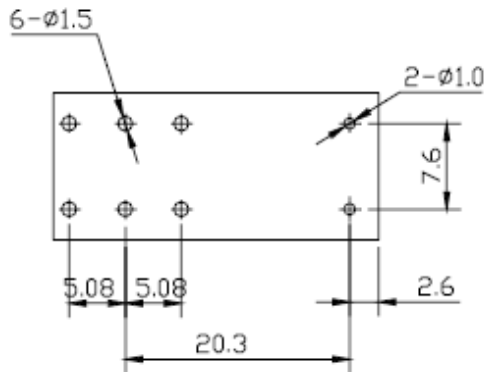
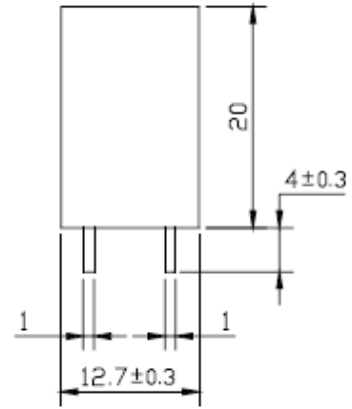
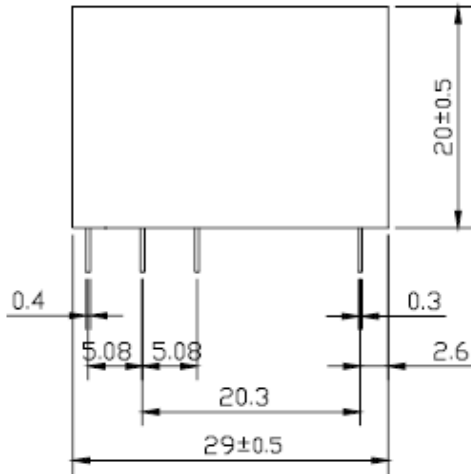


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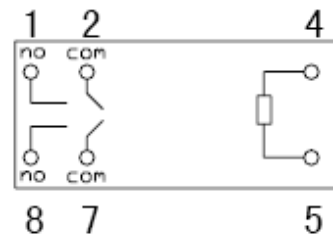
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1) M (5A)



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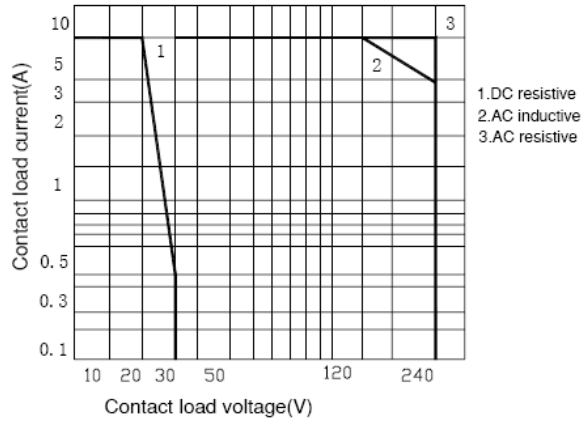
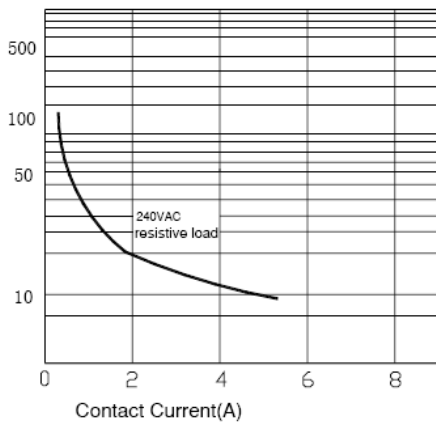
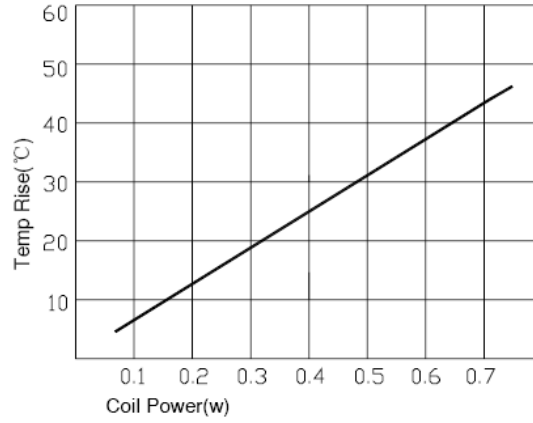
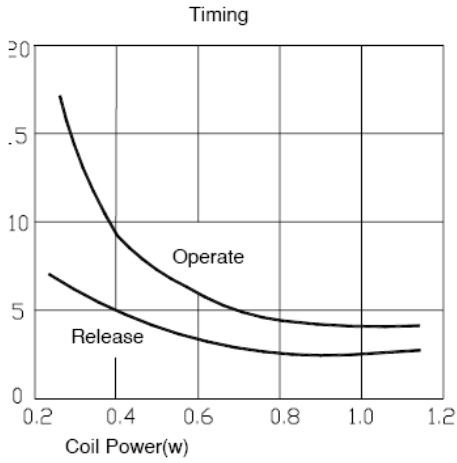
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