

	HL1 Relay <Sealed type>	
1 Form A, 1 Form C, 2 Form A 2 Form C configurations 5A, 8A, 10A, 16A contact ratings Sealed types Various sockets available		

1. Contact Data

Contact Form		1C (10A)	1CH (16A)	1CT (16A)	2C (5A)	2CM (8A)
Contact Material		Ag alloy				
Contact Ratings		10A 240VAC/30VDC	16A 240VAC/30VDC	16A 240VAC/30VDC	5A 240VAC/30VDC	8A 240VAC
Max Switching	Voltage	240VAC/30VDC				
	Current	12A	20A	20A	8A	8A
	Power	2,400VA/300W	3,840VA/480W	3,840VA/480W	1,200VA/150W	1,920VA/150W
Contact Resistance		100m ohm at 6VDC 1A				
Life Expectancy	Electrical	100,000 operations (at 30 operations / minute)				
	Machanical	10,000,000 operations				

2. General Data

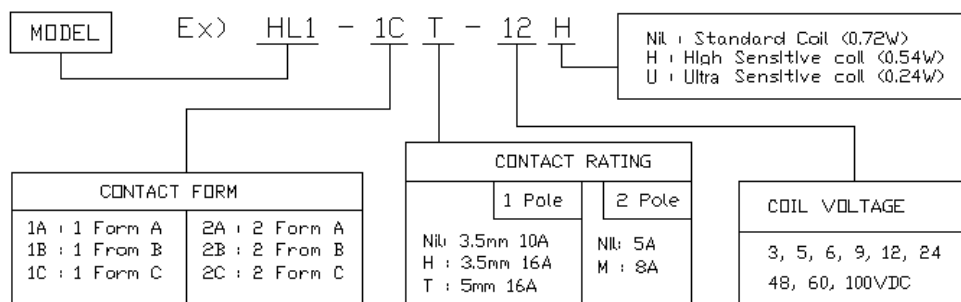
Insulation Resistance		100M Min at 500VDC
Dielectric Strength Between	Open Contacts	1,000VAC (for one minute)
	Contacts and coil	5,000VAC (for one minute)
Operate Time		20ms
Release Time		10ms
Temperature Range		-40 C ~ +85 C
Shock Resistance	Operating Extremes	10G
	Damage Limits	100G
Vibration Resistance		10-55Hz, 1.5mm
Max. switching frequency	Electrical	1,800 operations/hr
	Machanical	18,000 operations/hr
Humidity		40-85%
Weight		Appro x 14g
Safety Standard	UL	UL E197546
	TUV	R50157251, R50157266, R50157267

3. Coil Data

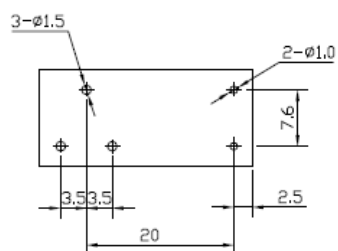
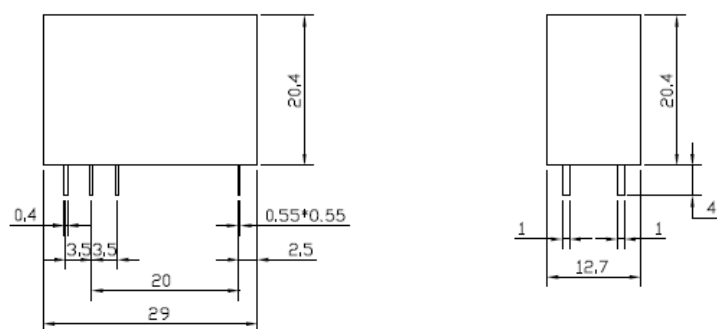
Nominal Voltage (VDC)	Coil Resistance at 20C (m ohm) 3~24V :±10%, 48V~:±15%			Max Operate Voltage VDC	Min Release Voltage VDC	Max Applicable Voltage VDC
	0.24W	0.54W	0.72W			
3	38	17	13	2.4	0.15	3.9
5	104	46	35	4	0.25	6.5
6	150	67	50	4.8	0.3	7.8
9	338	150	110	7.2	0.45	11.7
12	600	270	200	9.6	0.6	15.6
24	2,400	1,050	800	19.2	1.2	31.2
48	9,600	4,250	3,200	38.4	2.4	62.4
			5,000			

60		6,800	3,800	48	3.0	78
100		18,600	13,800	80	5.0	130

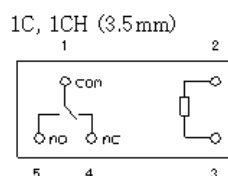
4. Ordering Code



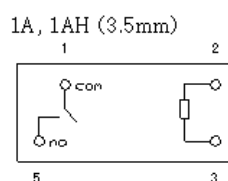
5. Overall And Mounting Dimensions



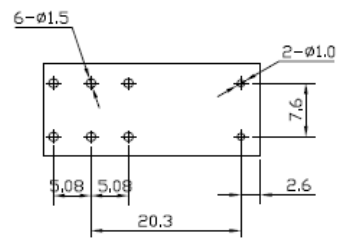
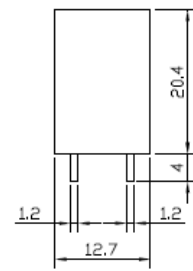
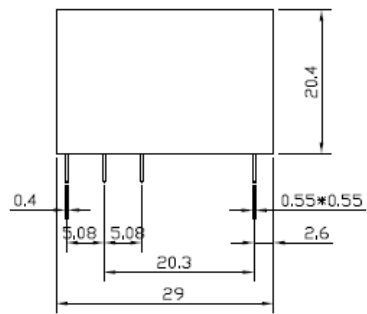
(Bottom View)



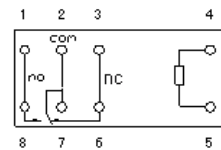
Form C



Form A



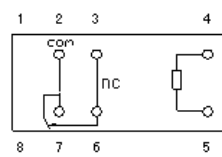
1CT (5mm)



Form C

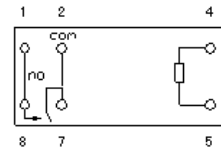
(Bottom View)

1BT (5mm)

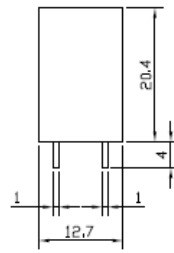
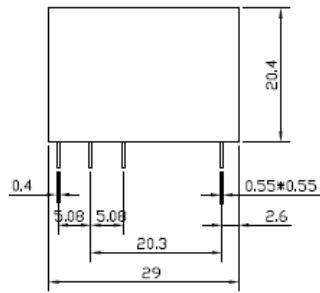


Form B

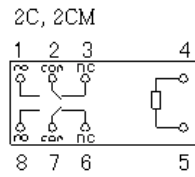
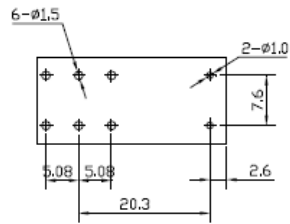
1AT (5mm)



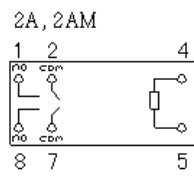
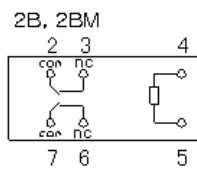
Form A



(Bottom View)



Form C



Form A

6. USEFUL CURVE

