



HL1

► FEATURES

- 1 Form A, 1 Form C, 2 Form A, 2 Form C configurations.
- 5A, 8A, 10A, 16A contact ratings.
- Sealed types.



Size (L x W x H)
29 x 12.7 x 20mm

► CONTACT DATA

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

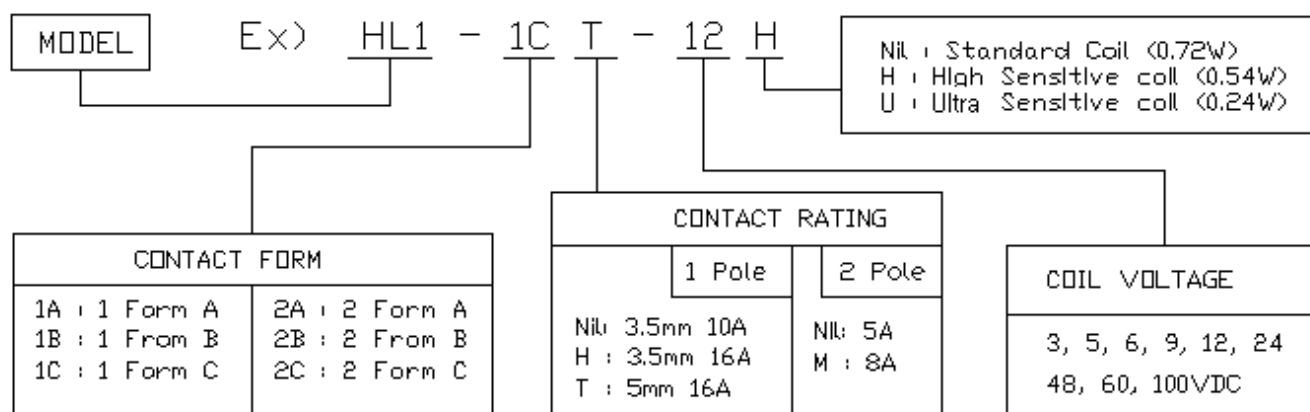
► OPERATION CONDITION

Insulation Resistance		100MΩ min (at 500VDC)
Dielectric Strangth	Between open Contacts	1,000VAC (For one minute)
	Between coil & Contacts	5,000VAC (For one minute)
Operate time		20ms
Release Time		10ms
Shock resistance	Operating Extremes	10G
	Damage Limits	100G
Vibration resistance		10~55Hz Double amplitude
Max. switching frequency	Electrical	1,800 operations / hr
	Mechanical	18,000 operations / hr
Humidity		40~85%
Temperature Range		-30 ~ 85℃ (-40~158° F)
Weight		Approx 14g
Safety Standard	UL	E197546
	TUV	R50157251, R50157266, R50157267

► COIL PARAMETER

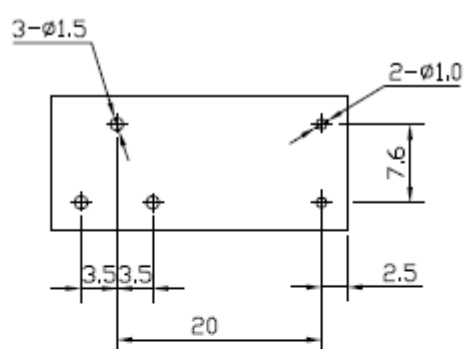
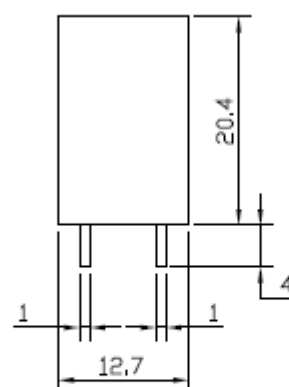
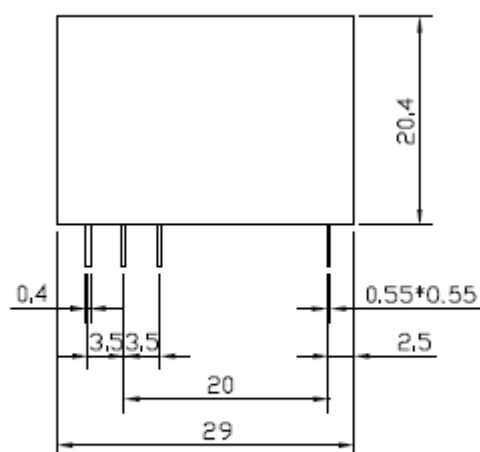
Nominal Voltage (VDC)	Coil Resistance at 20 C (Ω) 3~24V : ± 10% 48V~: ± 15%			Max Operate Voltage	Min. Release Voltage	Max. Applicable Voltage
	0.24W	0.54W	0.72W			
3	38	17	13	2.4	0.15	3.9
5	104	46	35	4	0.25	6.5
6	150	67	50	4.8	0.3	7.8
9	337	150	110	7.2	0.45	11.7
12	600	270	200	9.6	0.6	15.6
24	2,400	1050	800	19.2	1.2	31.2
48	9,600	4,250 ± 15%	3,200	38.4	2.4	62.4
60		6,800 ±15%		48	3.0	78
100		18,600±15%		80	5.0	130

► ORDERING INFORMATION



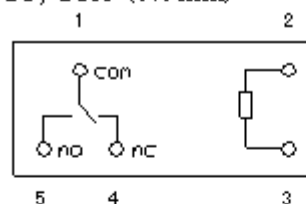
► DIMENSIONS (UNIT: MM)

HL1-1C



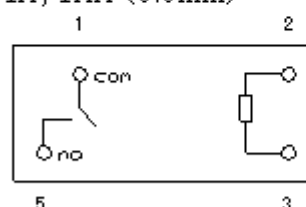
(Bottom View)

1C, 1CH (3.5mm)



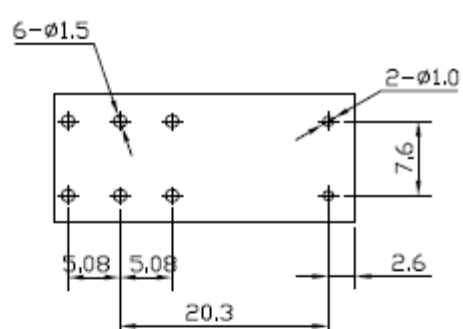
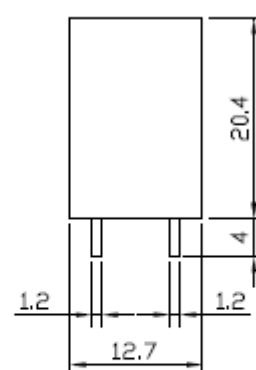
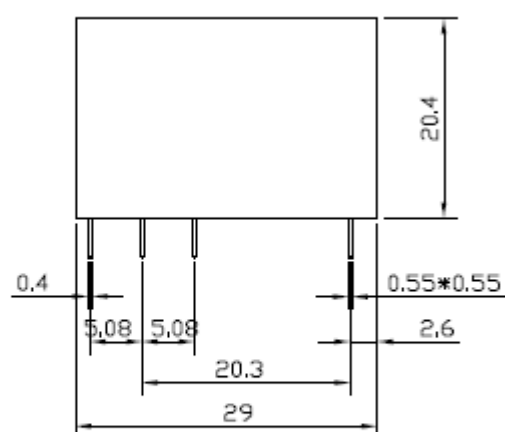
Form C

1A, 1AH (3.5mm)

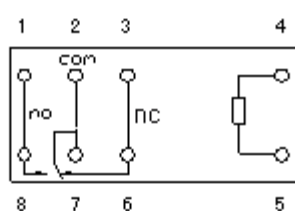


Form A

HL1-1CT



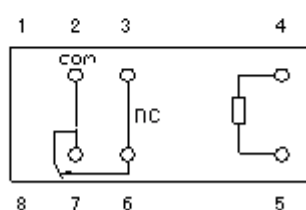
1CT (5mm)



Form C

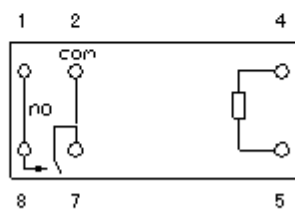
(Bottom View)

1BT (5mm)



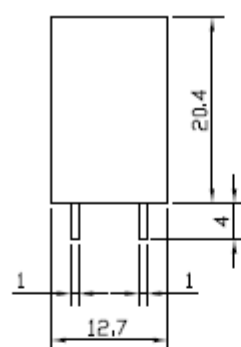
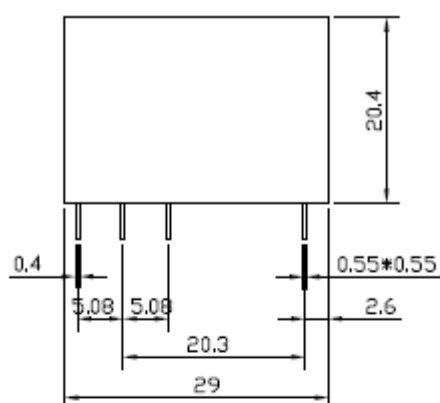
Form B

1AT (5mm)

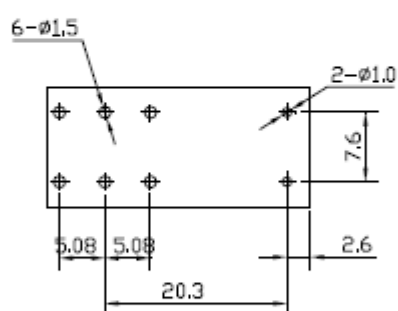


Form A

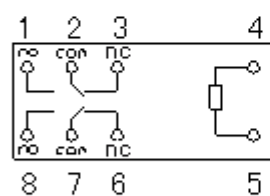
HL1-2C



(Bottom View)

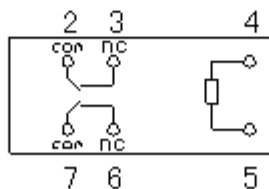


2C, 2CM

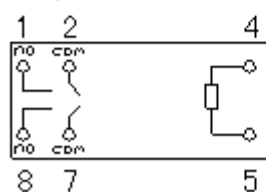


Form C

2B, 2BM



2A, 2AM



Form A

► USEFUL CURVE

