

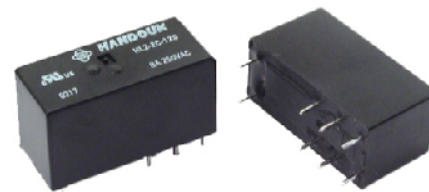


HANDOUK

HL2

■ FEATURES

- 16A switching capabilities
- Sealed & Unsealed types available
- 1 & 2 pole configurations
- 5KV / 10mm dielectric strength
- Low height 15.7mm
- Sealed and unsealed type available
- High temperature 105 degree
- High Inrush TV-5 80A
- High Sensitive 0.25W



■ CONTACT DATA

Contact Form	1A, 1B, 1C	2A, 2B, 2C
Contact Material	Silver Alloy	
Contact current	Max. 12A/16A	Max 8A
Switching Voltage	Max. 250VAC / 440VAC	
Contact capacity	3,000VA 4,000VA	2,000VA
Contact resistance	50m ohm	
Electrical Life	100,000operations (At 30 operations / minute)	
Mechanical Life	10,000,000 operations	

■ COIL DATA

Coil Consumption	0.4W, 0.25W
Coil Voltage	5 ~ 110 VDC
Coil Resistance	See below table

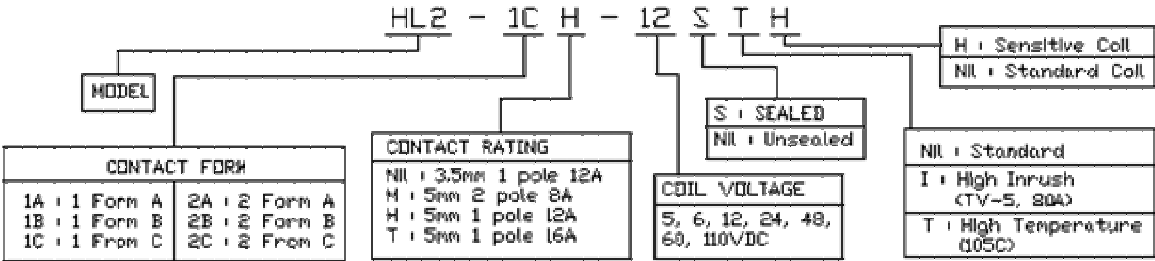
■ GENERAL DATA

Insulation Resistance		100M Ω Min. at 500VDC
Dielectric Strength	Open Contacts	1,000VAC (For one minute)
	Contacts and Coil	5,000VAC (For one minute)
	Contact sets	2,500VAC (For one minute)
Operate Time		7ms
Release Time		3ms
Temperature Range		-40℃ ~ 70℃
Shock Resistance		100m/s ²
Vibration Resistance		10 ~ 150Hz 10g / 5g
Humidity		35 ~ 85%
Dimension		29 x 12.7 x 15.7mm
Weight		Approx. 13.5g
Construction		Sealed and unsealed

■ TABLE

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Current mA	Coil Resistance ohm	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Current mA	Coil Resistance ohm
	Standard Coil, 0.4W				Sensitive Coil, 0.25W			
5	3.50	0.5	80.0	62±10%	3.75	0.5	50.0	100±10%
6	4.20	0.6	66.7	90±10%	4.50	0.6	41.7	144±10%
12	8.40	1.2	33.3	360±10%	9.00	1.2	20.8	576±10%
24	16.80	2.4	16.7	1,440±10%	18.00	2.4	10.4	2,304±10%
48	33.60	4.8	8.3	5,760±10%	36.00	4.8	5.4	9,216±10%
60	42.00	6.0	8.0	7,500±10%	45.00	6.0	4.7	12,857±10%
100	77.00	11.0	4.3	25,200±10%				

■ ORDERING INFORMATION

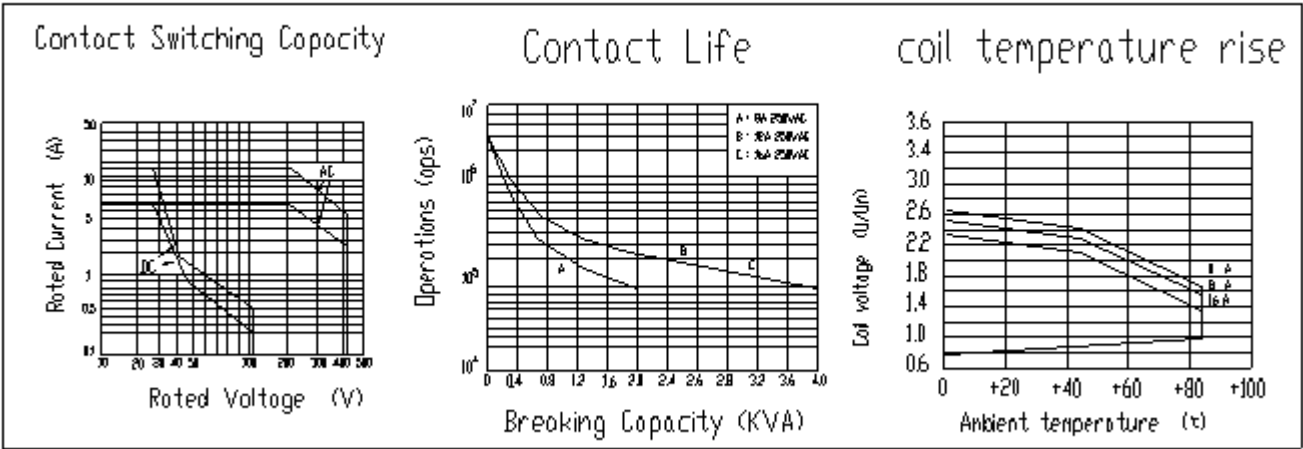


- a. High sensitive coils (0.25W) are valid only all 1 poles versions with 10A 250VAC contact rating.
- b. High in-rush types (TV-5 80A) are valid only 5mm, 10A 250VAC contact rating, 1 form A version.
- c. High temperature (105 C) is valid only 5mm 16A version.
- d. Additional (555) Mark : RoHs standard products.

■ SAFETY STANDARD

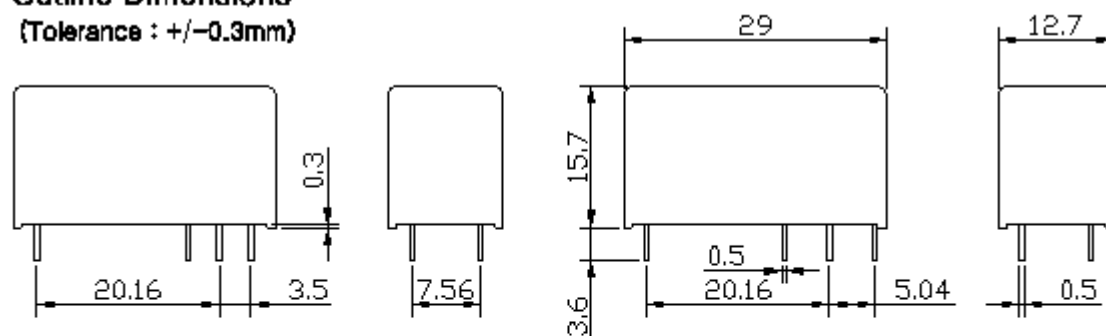
Standard	File Number	Remarks
UL	E222977	
VDE	40008094	

■ USEFUL CURVE



■ OVERALL AND MOUNTING DIMENSIONS

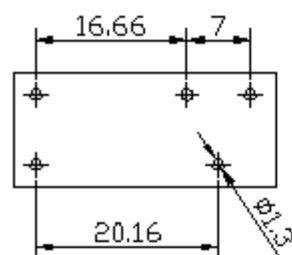
Outline Dimensions
(Tolerance : $\pm 0.3\text{mm}$)



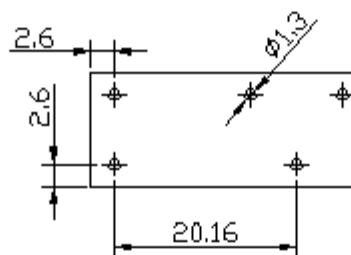
PC Board Pattern (Bottom view)

(Tolerance : $\pm 0.02\text{mm}$)

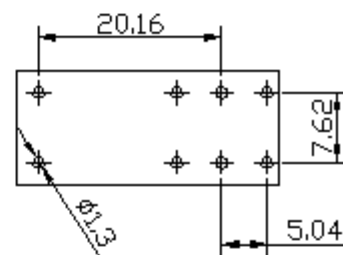
HL2-1*



HL2-1*H

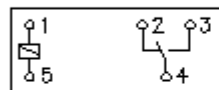


HL2-1*T (2*M)

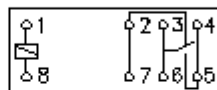


Schematic (Bottom View)

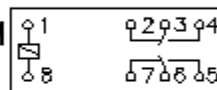
**HL2-1C,
HL2-1CH**



HL2-1CT



HL2-2CM



**HL2-1A,
HL2-1AH**



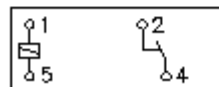
HL2-1AT



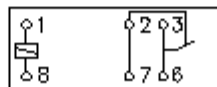
HL2-2AM



**HL2-1B,
HL2-1BH**



HL2-1BT



HL2-2BM

