

## FEATURES

- Open-frame and plastic sealed types
- European and USA footprints are available to meet international standards
- 1A (1PST) and 1C (1PDT) contact arrangement
- Using at automotive, control industrial, Domestic appliances, heavy loads, etc.



## ORDERING INFORMATION

LA      —      12   F      W  
 1      2      3      4      5      6

- |                        |                                |                 |
|------------------------|--------------------------------|-----------------|
| 1. Type                | 3. Coil Nominal Voltage        | 6. Enclosure    |
| 2. Contact Arrangement | 4. Pin Position                | Nil : Open Type |
| Nil: 1 Form C          | F : USA footprint              | W : Sealed Type |
| 1A: 1 Form A           | E : European footprint         |                 |
| 1B: 1 Form B           | 5. Coil Sensitivity            |                 |
| 2A : 1PDM              | Nil : Standard Type (1.6W)     |                 |
| 2B : 1PDB              | S : High Sensitive Type (1.2W) |                 |

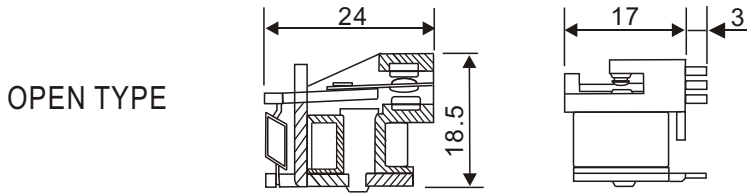
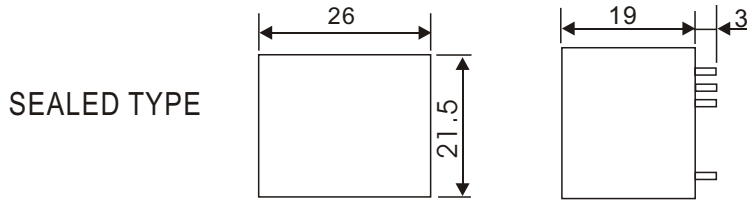
## CONTACT RATING

1PDT	Resistive (Cos. = 1)	DC 12V	40A/30A
1PDM	Resistive (Cos. = 1)	DC 12V	2 x 20A

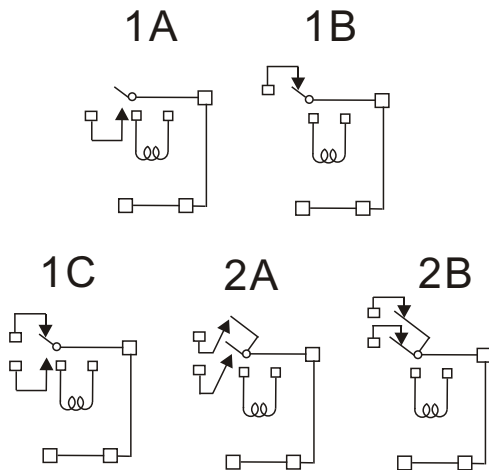
## COIL DATA(1.2W~1.6W, at 25°C)

Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)		Nominal Current (mA)		Maximum Pick Up Voltage (V)		Minimum Drop Out Voltage (V)
	1.6W	1.2W	1.6W	1.2W	1.6W	1.2W	
6	22.5	30	266.7	200	4.2	4.5	0.6
9	50.6	67.5	177.9	133.3	6.3	6.75	0.9
12	90	120	133.3	100	8.4	9.0	1.2
24	360	480	66.7	50	16.8	18.0	2.4

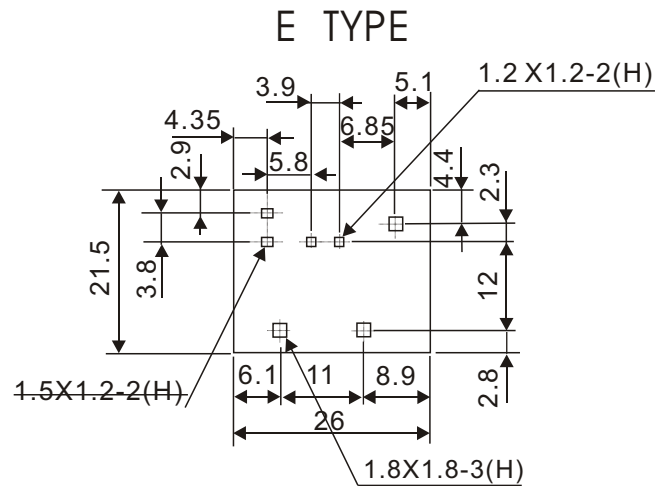
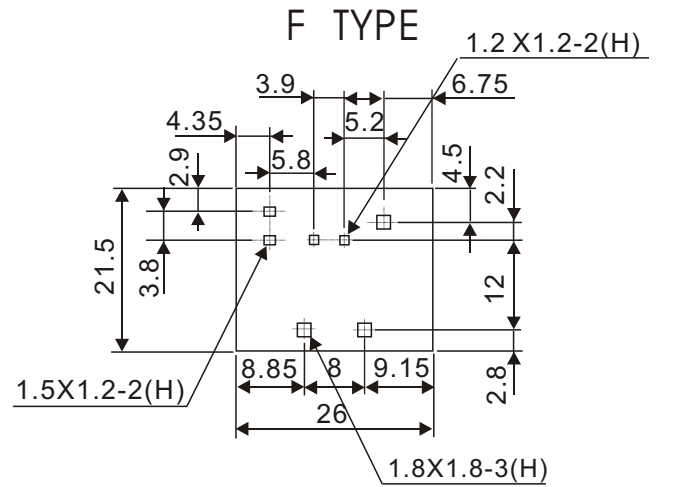
## DIMENSIONS(mm)



### WIRING DIAGRAM (BOTTOM VIEW)



### P.C.B LAYOUT (BOTTOM VIEW)



## GENERAL DATA

Insulation Resistance	100 M Min. (DC 500V)
Dielectric Strength	500 VAC, 50/60Hz between contact.
	1,000 VAC, 50/60Hz between all elements.
Contact Material	Silver- Cadmium Oxide as standard.
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	10 ms max.
Release Time	5 ms max.
Temperature Range	- 30°C ~ + 80°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	17 grams