

1.Characteristic

- (1)Small Size Light Weight
- (2)Low Coil Power
- (3)With 5A,10A contact Switching Capability.
- (4)Subminiature & Standard pc Pins
- (5)For Household Appliances, Automation Systems, Electronic Equipment, Equipment Table, Receiver, Audio Equipment and Other High Surge Current Occasions.



2、 Main Technical Parameter:

Contact Type	1A、 1C
Contact Material	AgSnO ₂ AgCdO
Contact Resistance 6VDC 1A	100mΩ
Rated Load	10A 125VAC , 5A 250VAC 10A 29VDC Light load : TV-5 120VAC 240VAC Motor Load : 1/4HP 251VAC
Maximum Switching Current	10A
Maximum Switching Voltage	30VDC 277VAC
Maximum Switching Power	150W 1250VA
Mechanical life	1×10 ⁷
Electrical life	1×10 ⁵
Pick-up Time	≤8ms
Release Time	≤5ms
Coil Power	DC:0.2W,0.45W
Insulation (Coil & Contacts)	4000VAC (1min)
Insulation (Between Contacts)	1000VAC (1min)
Insulation Resistance	Min100MΩ (500VDC)
Ambient Temperature	-40°C ~ +70°C
Shock Strength	1000m/S ²
Shock Stability	100M/S ²
Humidity	85%RH
Terminal type	PCB
Weight	7g

3.Sample Order:

WL33F	—	S	—	1	12	D	M
1		2		3	4	5	6

(1)Relay Type : WL33F

(2)Sealed Type:F-Dust Cover ,S-Sealed

(3)Number of poles:1-1 pole, 2-2 poles.

(4)Coil Voltage:05- 5VDC,06- 6VDC,12- 12VDC

(5)Coil Power:No-0.2w,D-0.36W,H-0.45W

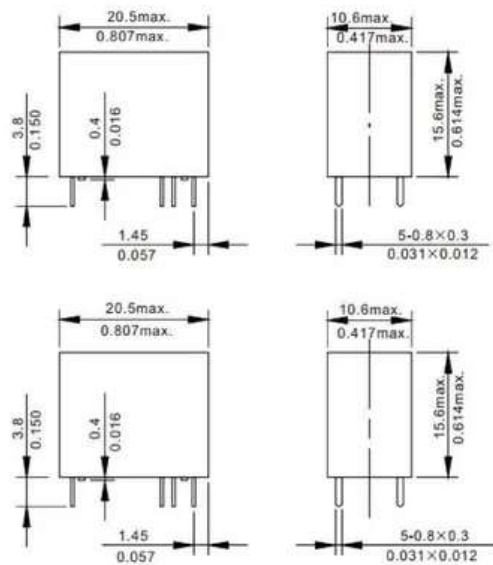
(6)Contact Form: M-N/O, Nil-C/O, B-N/C.

4.Coil parameter (at 20°C) :

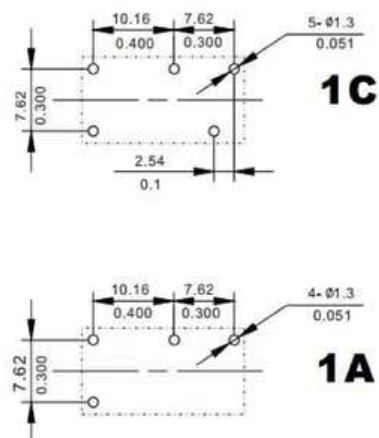
Coil Voltage	Rated voltage VDC	Coil resistance $\Omega \pm 10\%$	Max.Pull-in voltage VDC	Min.Release voltage VDC	Coil Power W
DC3V	3	45	2.25	0.15	0.2
DC5V	5	125	3.75	0.25	
DC6V	6	180	4.5	0.3	
DC9V	9	405	6.75	0.45	
DC12V	12	720	9	0.6	
DC18V	18	1620	13.5	0.9	
DC24V	24	2880	18	1.2	0.45
DC3V	3	20	2.25	0.15	
DC5V	5	56	3.75	0.25	
DC6V	6	80	4.5	0.3	
DC9V	9	180	6.75	0.45	
DC12V	12	320	9	0.6	
DC18V	18	720	13.5	0.9	
DC24V	24	1280	18	1.2	

5.Shape and Mounting Drawing:

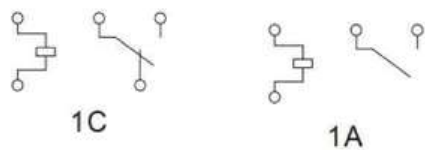
Dimensions mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

NOTES 1).Dimensions are in millimeters.
2).Inch equivalents are given for general information only.