V6
Relay

No.50062655 1060119 E164730 CQC03001005811

1.COIL DATA

1-1.Nominal Voltage	3,5,6,9,12,24,48VDC
1-2.Coil Resistance	Refer to Coil Data Chart
1-3.Operate Voltage	Refer to Coil Data Chart
1-4.Release Voltage	Refer to Coil Data Chart
1-5.Nominal Power	200mW

2.CONTACT DATA

2-1.Contact Form	A- 1 Form A
2-2.Contact Material	Ag Alloy
2-3.Contact Rating	15A125VAC,10A 250VAC/24VDC
	16A 120VC,10A 30VDC(TUV Rating)
2-4.Max.Switching Voltage	250VAC/30VDC
2-5.Max.Switching Current	16A
2-6.Max.Switching Power	4,000VA,240W
2-7.Min.Switching Load	5VDC,100mA
2-8.Contact Resistance	Max 100mΩ(6VDC 1A)
2-9.Life	
Electrical	100,000 operations
Mechanical	10,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance	Min.1000MΩ500VDC
3-2.Dielectric Strength	750VAC,1 min between open contacts
	2,500VAC,1 min between coil and contacts
3-3.Operate Time	Max.15ms
3-4.Release Time	Max.8ms
3-5.Operate Temperature	-30 ~ +70℃
3-6.Shock Resistance	
Endurance	1,000m/s^2
Misoperation	100m/s^2
3-7.Vibration Resistance	
Endurance	10 ~ 55Hz,1.5mm double amplitude
Misoperation	10 ~ 55Hz,1.5mm double amplitude
3-8.Humidity	35% ~ 95%RH,+40℃
3-9.Weight	Approximately 9g
3-10.Safety	UL NO.E164730
	TUV NO.50062655
	CSA NO.1460119(LR 109368)
	CQC NO.03001005811

4.ORDER CODE

V6 - S - DC3V

- DC3V → COIL VOLTAGE
  DC3V,DC5V,DC6V,DC9V,DC12V,
  DC24V,DC48V
- S → ENCLOSURE
  S - Plastic Sealed Type
- V6 → RELAY MODEL

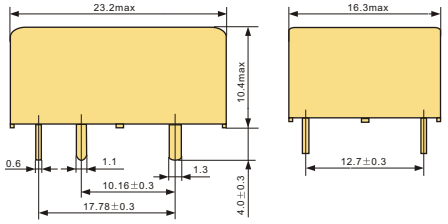
5.COIL DATA CHART

20℃

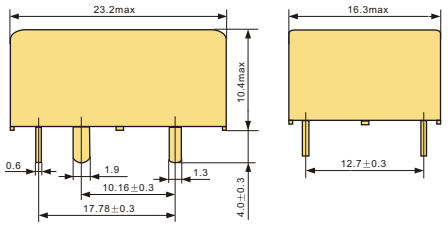
Model	Nominal Voltage VDC	Coil Resistance Ω+/-10%	Operate Voltage ≤VDC	Release Voltage ≥VDC	Coil Power mW
V6-(S)-DC3V	3	45	2.25	0.30	200
V6-(S)-DC5V	5	125	3.75	0.50	
V6-(S)-DC6V	6	180	4.5	0.60	
V6-(S)-DC9V	9	405	6.75	0.90	
V6-(S)-DC12V	12	720	9.0	1.20	
V6-(S)-DC24V	24	2880	18.0	2.40	
V6-(S)-DC48V	48	9216	36.0	4.80	250

6.DIMENSIONS (mm)

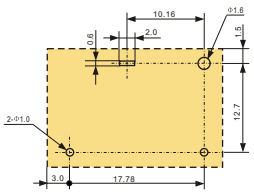
Demensions



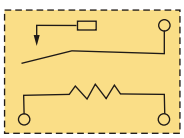
Wide Terminal



Mounting Hole Layou(Bottom View)t

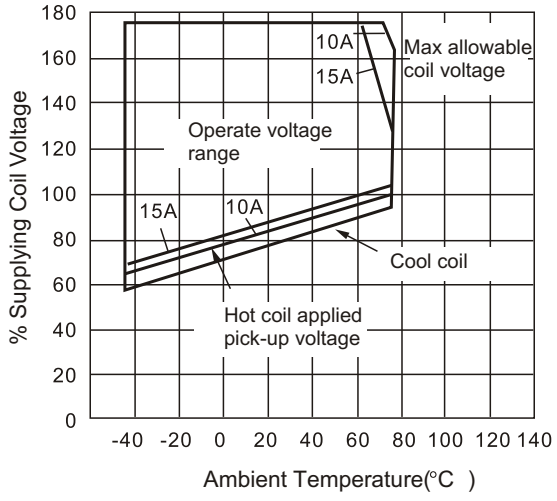


Wiring Diagrams (Bottom View)

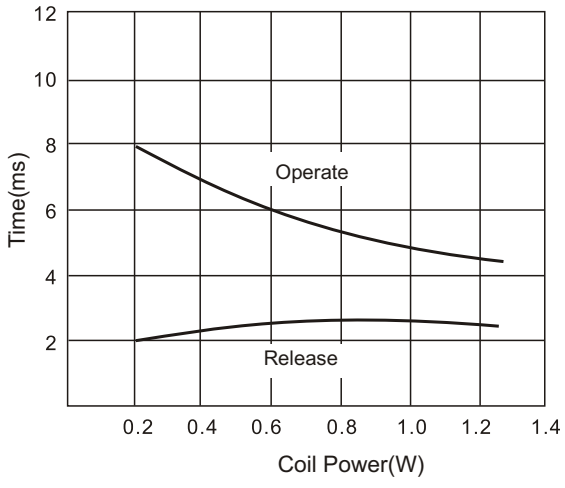


7.V6 CHARACTERISTIC CHART DATA

Coil Temperature Rise



Timing



Life Curves