

V6

POWER RELAY

Safety Approval

SF NO. 1460119

UL US NO. E164730 NO. E322395

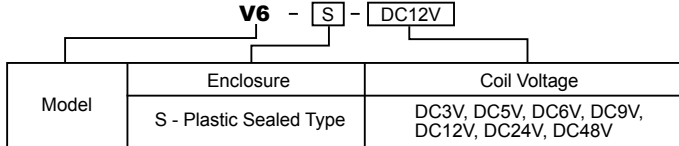
CCC NO. CQC08002027612 NO. 50116138

Features

- Low profile, flat type relay
Dimension: 23.0×16.1×10.2(mm)
- Max. Switching capacity: 15A
- Tungsten lamp load: 10A 125VAC
- High sensitivity 200mW



ORDERING INFORMATION



Remarks: 1. Available in 1 Form A only 2. Coil voltage 3 to 24VDC - Coil power: 200mw, 48VDC: 250mw

SPECIFICATION

CONTACT DATA

Contact Form		1 Form A
Contact Material		Ag Alloy
Contact Rating		15A125VAC 10A 250VAC/24VDC
Contact Resistance		Max. 100mΩ (6VDC 1A)
Load	Max. Switching Voltage	250VAC/30VDC
	Max. Switching Current	15A
	Max. Switching Power	3,750VA, 450W
	Min. Switching Load	5VDC, 100mA
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations

GENERAL DATA

Insulation Resistance	Min. 1000MΩ 500VDC	
Dielectric Strength	Between open contacts	750VAC, 1min
	Between coil and contacts	2,500VAC, 1min
Operate Time	Max. 15ms	
Release Time	Max. 8ms	
Operating Temperature	-40°C to +85°C	
Humidity	35~95%RH, +40°C	
Shock Resistance	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10~55Hz, 1.5mm double amplitude
	Misoperation	10~55Hz, 1.5mm double amplitude
Weight	Approximately 9.00g	

COIL DATA

Nominal Coil Power	200mW
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Note: Data shown are of initial value

SAFETY APPROVAL

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remark	
UL E164730	A	0.2W	3 - 48VDC	10A 250VAC	Ambient Temperature: 105°C	
				13A 125VAC		
				Tungsten lamp load: 10A 125VAC		Ambient Temperature: 85°C
				15A 125VAC		
UL E322395	A	0.2W	3 - 48VDC	1/2HP 120VAC	Ambient Temperature: 85°C	

ISO9001, ISO/TS16949, ISO14001 Approved



SAFETY APPROVAL

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remark
CSA 1460119	A	0.2W	3 - 48VDC	10A 250VAC	—
				Tungsten lamp load: 10A 125VAC	Ambient Temperature: normal
TUV 50116138-0001	A	0.2W	3 - 48VDC	16A 250VAC	Ambient Temperature: 85°C
				10A 30VDC	Ambient Temperature: 85°C
TUV 50116138-0002 (EN60730-1)	A	0.2W	3 - 48VDC	16(3)A 250VAC	Ambient Temperature: 85°C
CQC 08002027612 (GB/T 21711.1-2008)	A	0.2W	3 - 48VDC	16A 250VAC	Ambient Temperature: 85°C

Specifications subject to change without notice

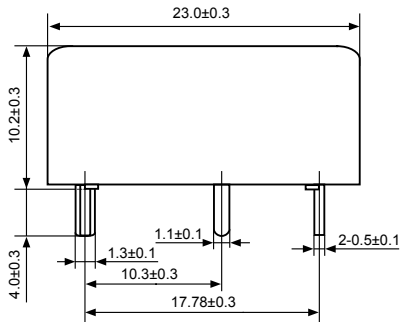
COIL DATA

Ambient Temperature: 23°C

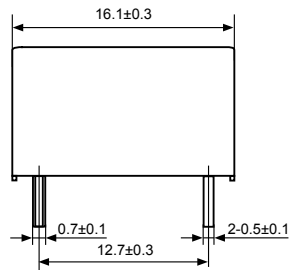
Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
V6-S-DC3V	3	45	2.25	0.30	200
V6-S-DC5V	5	125	3.75	0.50	
V6-S-DC6V	6	180	4.5	0.60	
V6-S-DC9V	9	405	6.75	0.90	
V6-S-DC12V	12	720	9.0	1.20	
V6-S-DC24V	24	2880	18.0	2.40	
V6-S-DC48V	48	9216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

OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

Standard type

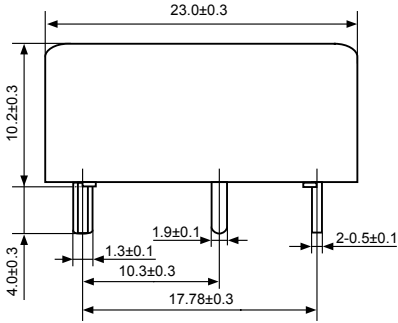


Outline

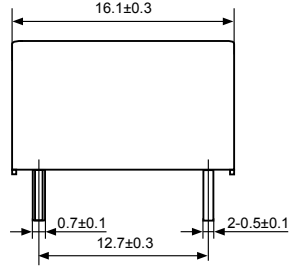


OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

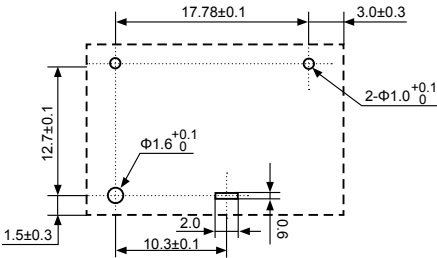
Wide Terminal type



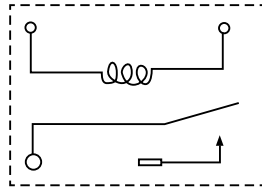
Outline



Mounting Hole Layout
(Bottom View)

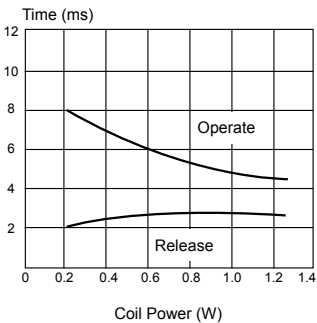


Wiring Diagram
(Bottom View)

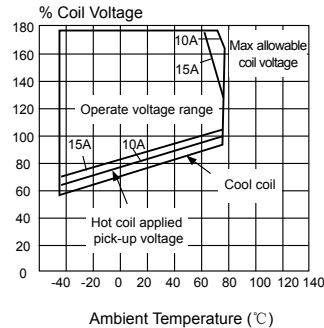


REFERENCE DATA

Timing



Operating Range



Life Curves

