

FEATURES

- Small size, light weight
- Low power consumption
- PCB terminal

APPLICATION

Household appliance
Automatic system
Electronic equipment
Telecommunication equipment

COIL PARAMETER

Coil voltage	6-24VDC	
Coil power	Sensitive type	0.6W
	Standard type	0.8W

COIL DATA @23°C

Sensitive type (0.6W)				
Nominal coil voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) \pm 10%	Operate Voltage (VDC Max.)	Release Voltage (VDC Min.)
6	100.0	60	4.50	0.60
9	66.7	135	6.75	0.9
12	50.0	240	9.00	1.20
24	25.0	960	18	2.4

Standard type(0.8W)				
Nominal coil voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) \pm 10%	Operate Voltage (VDC Max.)	Release Voltage (VDC Min.)
6	133.3	45	4.50	0.60
9	89.1	101	6.75	0.9
12	66.7	180	9.00	1.20
24	33.3	720	18	2.4



CONTACT DATA

Contact arrangement	1 Form A, 1 Form B, 1 Form C, 2 Form A
Contact material	Silver Alloy
Initial contact resistance	40mV Type, 200mV Max (at 10A)
Max. switching voltage	30VDC/250VAC
Max. switching current	20A
Max. switching power	280W/1200VA
Contact rating (Resistive Load)	NO/NC: 20A/15A 14VDC
	NO/NC: 10A/10A 120VAC
Mechanical endurance	10,000,000 ops Min.(no load)
Electrical endurance	100,000 ops Min.(rated load)
Minimum load (reference value)	1A@6VDC

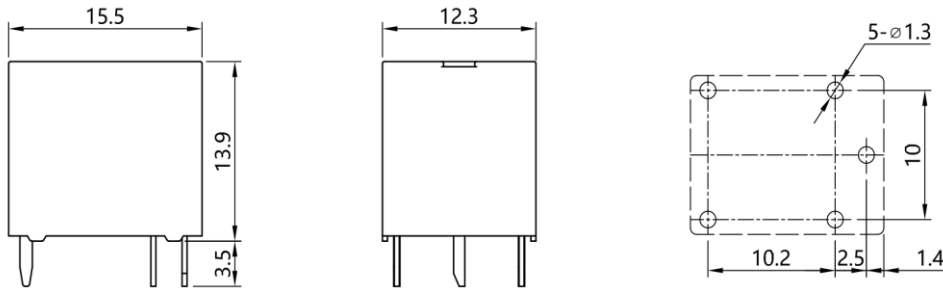
CHARACTERISTICS

Operate voltage	70% of nominal voltage or less	
Release voltage	10% of nominal voltage or more	
Operate time(At nominal voltage)	10ms max.	
Release time(At nominal voltage)	5ms max.	
Insulation resistance	100M Ω min. (at 500 VDC)	
Dielectric strength	Between coil and contacts	\geq 500 VAC, 50/60Hz (1 min)
	Between open contacts	\geq 500 VAC, 50/60Hz (1 min)
Vibration resistance	Destruction	10Hz~ 55Hz., 1.5mm double amplitude
	Malfunction	10Hz~ 55Hz., 1.5mm double amplitude
Shock resistance	Destruction	1,000m/S ² (100G Min.)
	Malfunction	200m/S ² (10G Min.)
Ambient temperature	-40~+85°C (without icing or condensation)	
Ambient humidity	20%~85% RH	
Terminal	PCB terminal	
Enclosure (94V-0 Flammability Ratings)	V: Vented(Flux proof, RTII)	
	S: Sealed(Wash-tight, RTIII)	
Weight	Approx. 6g	

ORDERING INFORMATION

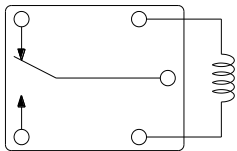
	CHPA	-V	-1	12	D	A	2	,000
1.Product Family								
2.Enclosure	V: Vented(Flux proof, RTII) S: Sealed(Wash-tight, RTIII)							
3.Number of Poles	1: 1 pole 2: 2 pole							
4.Rated Coil Voltage	12,24VDC							
5.Coil power	D: 0.6W H: 0.8W							
6.Contact Arrangement	A: Form A(SPST) C: Form C(SPDT)							
7.Contact Material	2: AgSnO2							
8.Additional numbers and /or letters	000-999, AAA-ZZZ, aaa-zzz or blank, which does not represent electrical changes, only for specific customer requirements							

OUTLINE DIMENSION

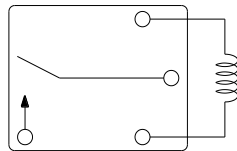


WIRING DIAGRAMS (BOTTOM VIEWS)

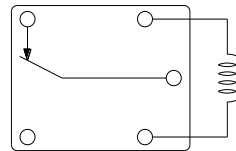
1C



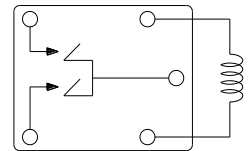
1A



1B



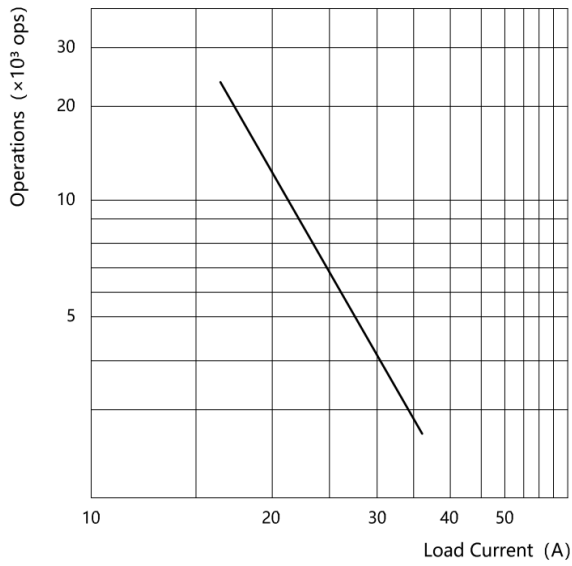
2A



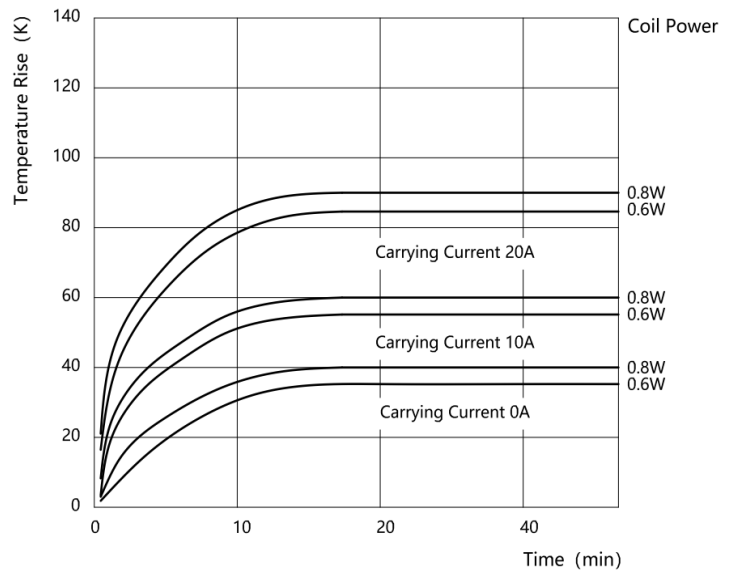
Remarks:

- The reference tolerance in outline dimension:
 - outline dimension ≤ 1 mm, reference tolerance is ± 0.2 mm;
 - outline dimension > 1 mm and ≤ 5 mm, reference tolerance is ± 0.3 mm;
 - outline dimension > 5 mm, reference tolerance is ± 0.5 mm.
- The reference tolerance for PC Board layout is ± 0.1 mm.

Electrical Endurance Curve



Temperature Rise



Disclaimer:

The specification is for reference only, if you need more detail information, please contact Churod. We could not evaluate all the performance and all parameters for every possible application.

And the user should be in a right position to choose the suitable product for their own application. If there is any new need, please contact Churod for the technical service.

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