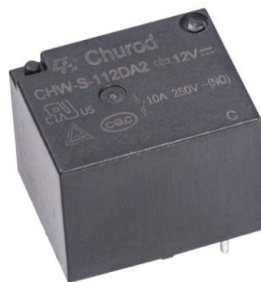


FEATURES

- Outline dimension (19.2mm×15.5mm×15.3mm)
- 1 Form A (SPST) or 1 Form C (SPDT) contact arrangement
- Designed to meet cULus, TUV, CQC requirements
- Flux-tight and Wash-tight version available
- RoHS compliance
- REACH SvHC compliance
- Halogen-Free type available
- Glow wire type available



File NO. E341422



File NO. R50174892



File NO. CQC10002043606

APPLICATION

Appliances, Power Supplier, Industrial Control

COIL PARAMETER

Coil voltage	5-48VDC	
Coil power	Standard ver.	360mW

COIL DATA @23°C

CHW Standard				
Nominal coil voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Operate Voltage (VDC)	Release Voltage (VDC)
5	72	69	3.75	0.25
6	60	100	4.5	0.3
9	40	225	6.75	0.45
12	30	400	9.0	0.6
18	20	900	13.5	0.9
24	15	1600	18.0	1.2
48	7.5	6400	36.0	2.4

Note:

- The data shown above are initial values.
- For the Sealed type, the venting-hole should be opened in electrical endurance test.

CONTACT DATA

Contact arrangement	1 Form A (SPST) / 1 Form C (SPDT)	
Contact material	Ag Alloy	
Initial contact resistance	100m Ω max.(at 6VDC,1A)	
Max. switching voltage	277VAC	
Max. switching current	15A(NO) / 6A(NC)	
Max. switching power	NO: 4155VA/450W	
	NC: 1662VA/180W	
Contact rating	NO :	15A @250VAC
		10A @250VAC
	NC:	10A @ 30VDC
		2A FLA,14A LRA @ 277VAC
	6A @ 250VAC	
	6A @ 30VDC	
Mechanical endurance	10,000,000 ops Min.(no load)	
Electrical endurance (Resistive Load)	NO: 15A 250VAC, 30,000 ops	
	NO: 10A 250VAC, 100,000 ops	
	NC: 6A 250VAC, 50,000 ops	
Minimum load (reference value)	100mA @5VDC	

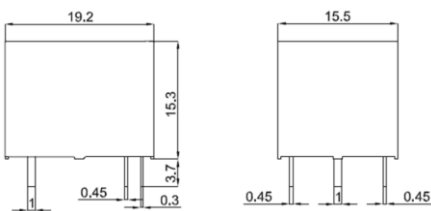
CHARACTERISTICS

Operate voltage	75% of nominal voltage or less	
Release voltage	5% of nominal voltage or more	
Operate time (At nominal voltage)	10ms max.	
Release time (At nominal voltage)	5ms max.	
Insulation resistance	1,000 M Ω min. (at 500 VDC)	
Dielectric strength	Between coil and contacts	2,000 VAC, 50/60 Hz for 1 min
	Between open contacts	1,000 VAC, 50/60 Hz for 1 min
Surge voltage between coil and contacts	6,000V(1.2/50us)	
Vibration resistance	Destruction	10 to 55 Hz, 1.5mm double amplitude
	Malfunction	10 to 55 Hz, 1.5mm double amplitude
Shock resistance	Destruction	1,000m/S ² (100G approximately)
	Malfunction	1,00m/S ² (10G approximately)
Ambient temperature	-40~+85°C (without icing or condensation)	
Ambient humidity	20%~85% RH	
Termination	PCB terminals	
Enclosure (94V-0 Flammability Ratings)	V: Vented(Flux-tight, RTII)	
	S: Sealed(Wash-tight, RTIII)	
Unit Weight	Approx. 9g	

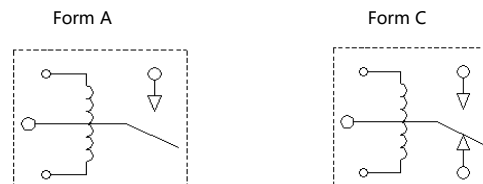
ORDERING INFORMATION

	CHW	-V	-1	12	D	A	2	--	,000
1. Product Family									
2. Enclosure	V = Vented (Flux-tight, RTII) S = Sealed (Wash-tight, RTIII)								
3. Number of Poles	1=1 pole								
4. Rated Coil Voltage	05,06,09,12,18,24,48VDC								
5.Coil Power	D = Standard (360mW)								
6. Contact Arrangement	A = Form A(SPST) C = Form C(SPDT)								
7.Contact material	2=AgSnO ₂								
8.Conact Capacity	Blank = 10/15A								
9. Additional numbers and /or letters	000-999, AAA-ZZZ, aaa-zzz or blank, which does not represent electrical changes, only for specific customer requirements,ex: (15A)=15A								

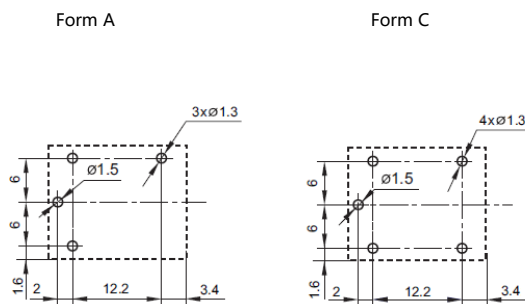
OUTLINE DIMENSION



WIRING DIAGRAMS (BOTTOM VIEWS)



PC BOARD LAYOUTS (BOTTOM VIEWS)



Remark:

- 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.