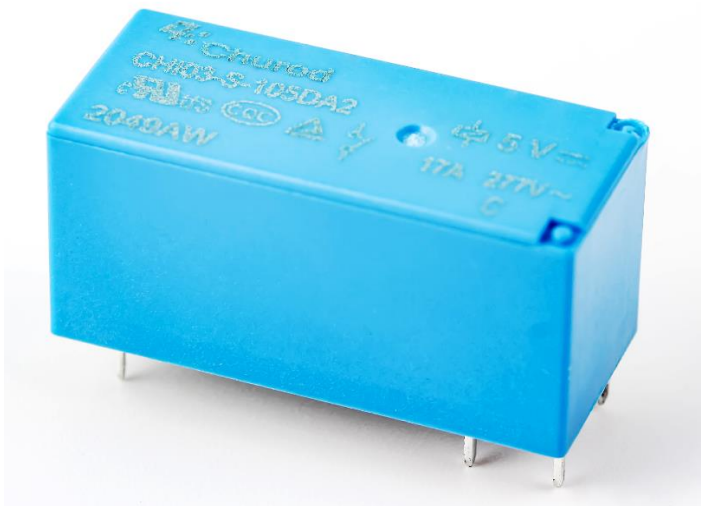


CHI03 SERIES 17A MINIATURE POWER RELAY



FEATURES

- Outline dimension(29.3×12.7×15.3)
- 1 Form A(SPST-NO) and 1 Form C(SPDT) contact arrangement
- Designed to meet UL/cUL,TUV,CQC requirements
- 5,000VAC dielectric strength between coil and contact
- F class Insulation System
- RoHS compliance
- REACH SvHC compliance
- Halogen-Free type available



File NO. E341422



File NO. R50384623



File NO. CQC17002177358

APPLICATION

Appliances, power supper, Industrial Control...etc

COIL PARAMETER

Coil voltage	3-110VDC
Coil power	400mW

COIL DATA@23°C

CHI03				
Nominal coil voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Operate Voltage (VDC Max.)	Release Voltage (VDC Min.)
3	133.3	22.5	2.25	0.15
5	80.0	62.5	3.75	0.25
6	66.7	90	4.5	0.3
9	44.4	202.5	6.75	0.45
12	33.3	360	9	0.6
18	22.2	810	13.5	0.9
22	18.2	1210	16.5	1.1
24	16.7	1440	18	1.2
36	11.1	3240	27	1.8
48	8.3	5760	36	2.4
60	6.7	9000	45	3
110	3.6	30250	82.5	5.5

CONTACT DATA

Contact arrangement	1 Form A(SPST-NO), 1 Form C(SPDT), 1 Form B(SPST-NC)	
Contact material	Ag Alloy	
Initial contact resistance	100m Ω max.@6VDC,1A	
Max. switching voltage	277VAC/30VDC	
Max. switching current	20A	
Max. switching power	5540VA / 600W	
Contact rating	NO	17A @277VAC/30VDC
		1HP @120/240/480VAC
		10FLA/60LRA @250VAC
		5A pilot duty @120VAC and 277VAC
		16A general purpose @120VAC and 277VAC
		20A @277VAC resistive, 30K cycles
	NC	TV-8 @120VAC 25K cycles
		1HP @120/240/480VAC
		10FLA/60LRA @250VAC
		5A pilot duty @120VAC and 277VAC , 30K cycles
		17A @277VAC/30VDC , 30K cycles
		16A general purpose @120VAC and 277VAC , 30K cycles
Mechanical endurance	10,000,000 ops Min.(no load)	
Electrical endurance	100,000 ops Min(rated load 1s on /9s off)	
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)	15ms max.	
Release time(At nominal voltage)	8ms max.	
Insulation resistance	1,000 M Ω min. (at 500 VDC)	
Insulation system	155 (F)	
Dielectric strength	Between coil and contacts	5,000 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	10,000V(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	100m/S ² (10G approximately)
Ambient temperature	-40°C~+105°C (without icing or condensation)	
Ambient humidity	20%~85% RH	
Terminal	PCB terminal	
Enclosure (94V-0 Flammability Ratings)	V: Vented(Flux-tight),plastic cover.(RT II)	
	S: Sealed,plastic cover.(RT III)	
Weight	Approx. 14g	

Http://www.churod.com

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127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 89
Fax. 01 47 01 16 22



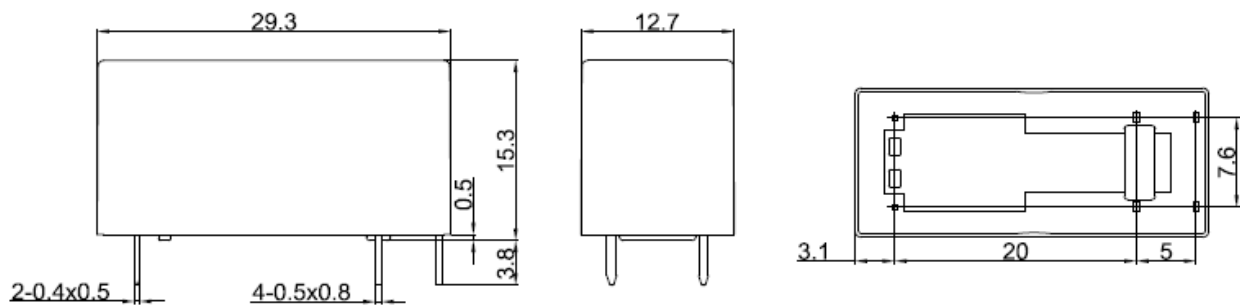
e-mail : comp@es-france.com
Site Web : www.es-france.com

ORDERING INFORMATION

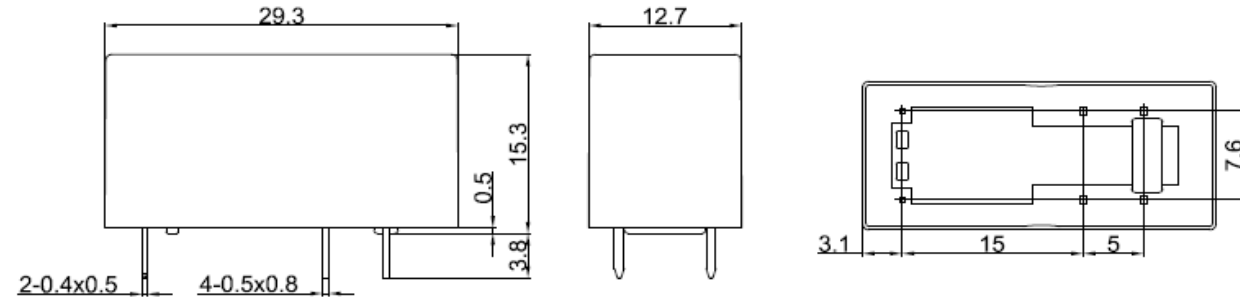
	CHI03	-V	-1	12	D	A	2	,000
1. Product Family								
2. Enclosure								
	V = Vented(Flux-tight),plastic cover.(RT II)							
	S = Sealed,plastic cover.(RT III)							
3. Number of Poles								
	1 = 1 pole							
4. Rated Coil Voltage								
	03,05,06,09,12,18,22,24,36,48,60,110VDC							
5. Coil Input								
	D = Standard(400mW)							
6. Contact Arrangement								
	A = Form A (SPST-NO) B = Form B (SPST-NC) C = Form C (SPDT)							
7. Contact material								
	2 = AgSnO ₂							
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

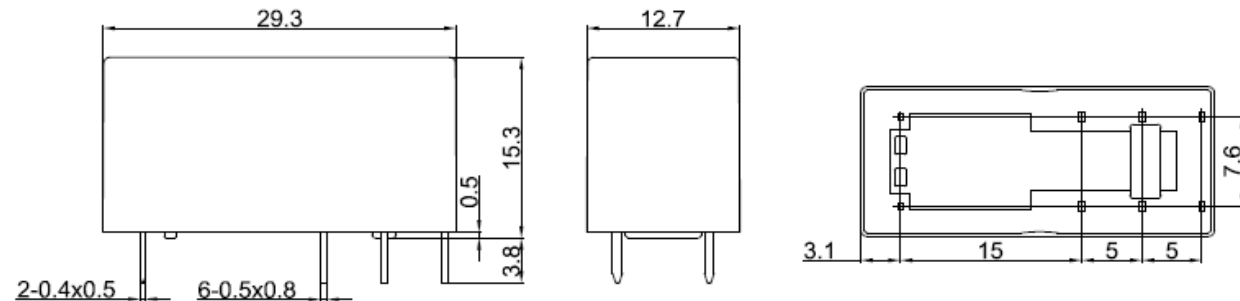
From A



From B

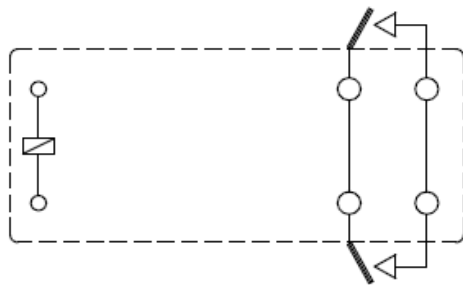


From C

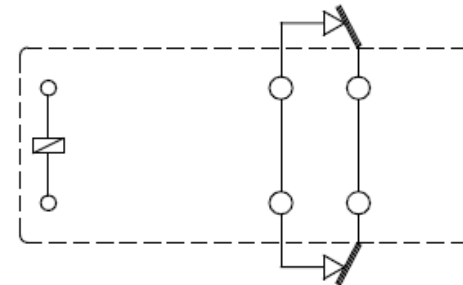


WIRING DIAGRAMS (BOTTOM VIEWS)

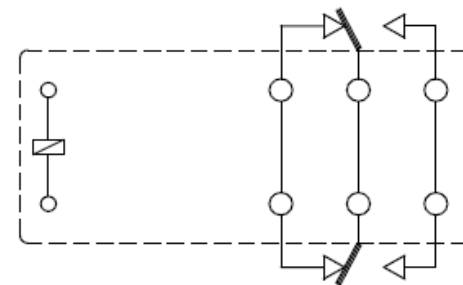
From A



From B



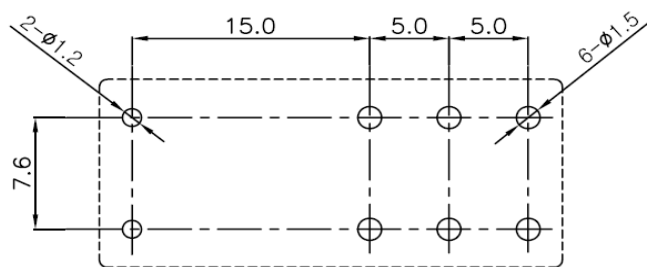
From C



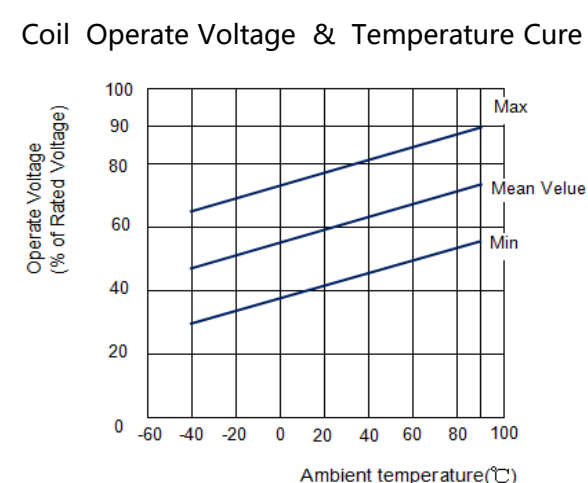
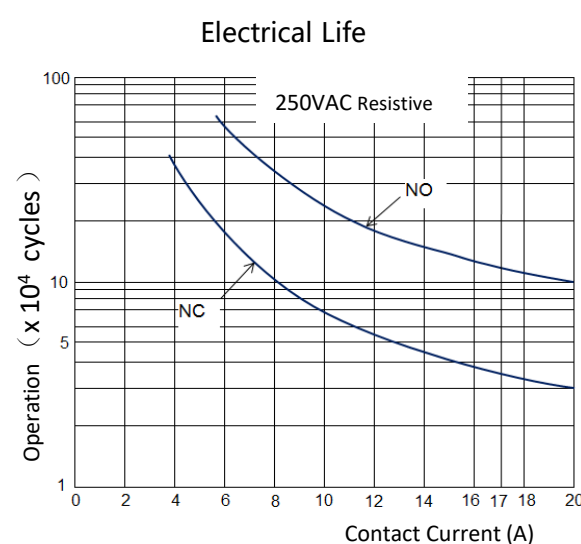
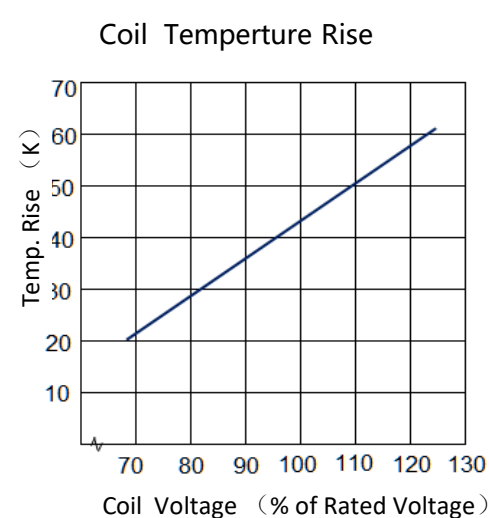
PC BOARD LAYOUTS (BOTTOM VIEWS)

Remark:

- 1) The reference tolerance in outline dimension:
outline dimension $\leq 1\text{mm}$, reference tolerance is $\pm 0.2\text{mm}$;
outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, reference tolerance is $\pm 0.3\text{mm}$;
outline dimension $> 5\text{mm}$, reference tolerance is $\pm 0.5\text{mm}$.
- 2) The reference tolerance for PC Board layout is $\pm 0.1\text{mm}$.

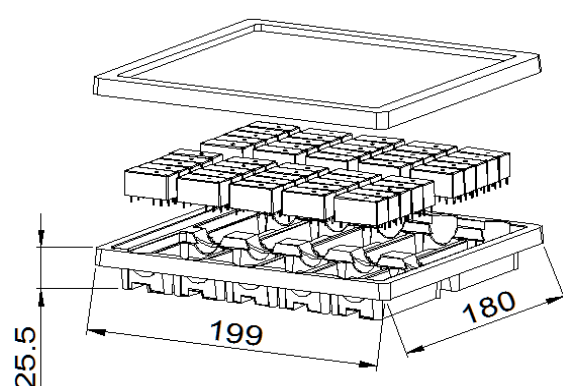


REFERENCE DATA



PACKAGING FIGURE

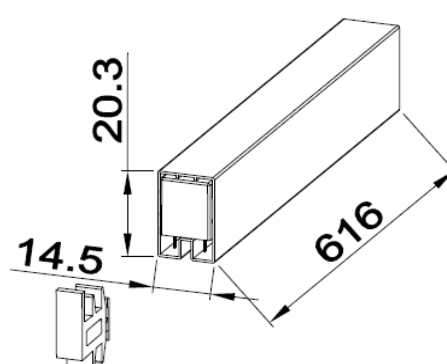
1.Box



50 pcs inside a box

500 pcs inside a carton

2.Tube



20 pcs inside a tube

1000 pcs inside a carton

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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