CHM Series 5A MINIATURE POWER RELAY



FEATURES

- Outline dimension (20.4mm×7.0mm×15.0mm)
- 1 Form A (SPST) contact arrangement
- Designed to meet cULus,TUV,CQC requirements
- 4,000VAC dielectric strenght between coil and contact
- Sensitive and stangard coils available
- RoHS compliance
- REACH SvHC compliance
- Halogen-Free type available Glow
- Glow wire type



Air Conditioner, Washing Machine, Microwave Oven, Power Meter, Industrial Control

COIL PARAMETER

Coil voltage	3-24VDC
Coil power	200mW

COIL DATA @23℃

		СНМ		
Nominal coil voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω)±10%	Operate Voltage (VDC Max.)	Release Voltage (VDC Min.)
3	66.7	45	2.25	0.15
5	40.0	125	3.75	0.25
6	33.3	180	4.50	0.30
9	22.5	400	6.75	0.45
12	16.7	720	9.00	0.60
18	11.1	1,620	13.50	0.90
24	8.6	2,880	18.00	1.20



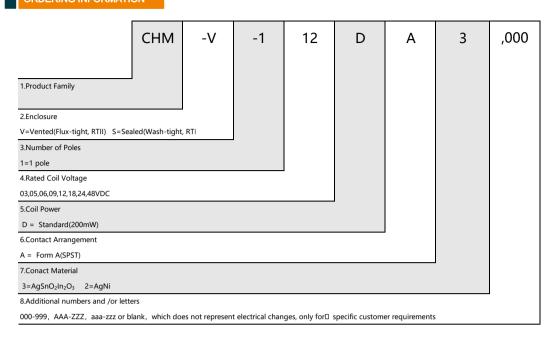


Contact arrangement	1 Form A (SPST)
Contact material	Ag Alloy
Initial contact resistance	100mΩ max.@6VDC,1A
Max. switching voltage	250VAC/30VDC
Max. switching current	5A
Max. switching power	1,250VA/150W
Contact rating	5A @ 250VAC
(Resistive Load)	5A @ 30VDC
Mechanical endurance	10,000,000 ops Min.(no load)
Electrical endurance	100,000 ops Min(rated load)
Minimum load (reference value)	100mA@5VDC

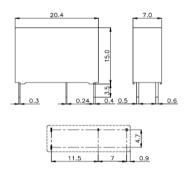
CHARACTERISTICS

Operate voltage	75% of nominal vo	ltage or less								
Release voltage	5% of nominal volt	age or more								
Operate time (At nominal voltage)	10ms max.									
Release time(At nominal voltage)	5ms max.									
Insulation resistance		1,000 MΩ min. (at 500 VDC)								
Dielectric strength	Between coil and o	4,000 VAC, 50/60 Hz for 1 min								
Dielectric strength	Between open con	1,000 VAC, 50/60 Hz for 1 min								
Surge voltage between	n coil and contacts	7,000V(1.2/50μs)								
Vibration resistance	Destructior	10 to 55 Hz.,1.5mm double amplitude								
Vibration resistance	Malfunction	10 to 55 Hz.,1.5mm double amplitude								
Shock resistance	Destructior	1,000 m/s2(100G approximately)								
SHOCK resistance	Malfunction	100 m/s2(10G approximately)								
Ambient temperature		Operating: -40~+90℃ (without icing or condensation)								
Ambient humidity		Operating: 5% to 85% RH								
Terminal		PCB terminals								
Enclosure (94V-0 Flam	mahility Patings)	V: Vented(Flux-tight, RTII)								
Eliciosule (94V-0 Fidili	mability Ratings)	S: Sealed(Wash-tight, RTIII)								
Weight		Approx. 4g								

ORDERING INFORMATION



Typical products



WIRING DIAGRAMS (BOTTOM VIEWS)



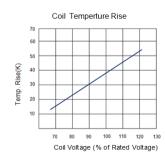
PC BOARD LAYOUTS (BOTTOM VIEWS)

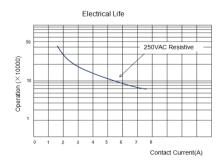


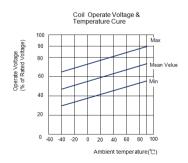
Remarks:

1)The reference tolerance in outline dimer outline dimension ≤ 1 mm, reference tolerance is \pm outline dimension > 1mm and ≤ 5 mm, reference tolerance outline dimension > 5mm, reference tolerance is : 2)The reference tolerance for PC Board layout is \pm

Reference Data







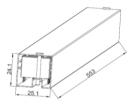
Packaging Flgure

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100 pcs inside a box

1000pcs inside a carton

2.TUBE



50 pcs inside a tube 2000 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.

Http://www.churod.com

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