

FEATURES

- Outline dimension(35mm×16mm×28mm)
- PCB terminal
- 1 Form A and 1 Form B (SPST) contact arrangement
- Designed to meet UL/cUL,TUV,CQC requirements
- Contact GAP 2.25mm Min
- RoHS compliance
- REACH SvHC compliance



Charging pile, Industrial control

COIL PARAMETER

Coli voltage	5-48VDC		
Coli power	2.1W		
Holding voltage	35%∼130%Un (The ambient temperature is 23°C)		
	45%~60%Un (The ambient temperature is 85℃)		

COIL DATA@23°C

CHID						
Nominal coil voltage (VDC)	Operate Voltage (VDC Max.)	Release Voltage (VDC Min.)	Holding voltage (VDC Min.)	Coil Resistance (Ω±10%)		
5	3.75	0.25	1.75	11.8		
9	6.75	0.5	3.15	38.4		
12	9.0	0.6	4.2	68.5		
24	18.0	1.2	8.4	274.0		
48	36.0	2.4	16.8	1096.0		

NOTE:

- 1) The above values are initial values.
- 2) Coli holding voltage is the coil voltage applied 100ms after the rated voltage is applied
- 2) Controlling voltage is the convoltage applied to the coil.

 3) The relay is not allowed to apply a holding voltage that exceeds the upper limit of the holding voltage for a long time. It is recommended that customers use the relay coil to apply the rated voltage after 100ms and drop to the lower limit of the holding voltage specification.









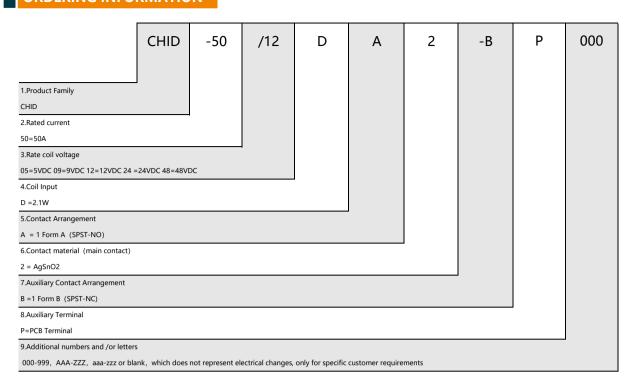
CONTACT DATA

Contact arrangement		1 Form A and 1 Form B(SPST)		
Contact material		Main contact: AgSnO2		
		Auxiliary contact: AgNi Alloy		
Initial contact resistance		100mΩ Max. @6VDC 1A(Main contact)		
Max. switching voltage		440VAC		
Max. switching current		50A		
Max. switching power		22,000VA		
Contact rating	Main contact	40A 440VAC, Resistive		
		50A 440VAC,Resistive		
		32A 440VAC, Resistive		
	Auxiliary contact	10mA 12VDC		
Mechanical endurance		300,000 ops Min.(no load)		
Electrical endurance	Main contact	50A 440VAC, Resistive, 6,000 ops Min.		
		40A 440VAC, Resistive, 30,000 ops Min.		
		32A 440VAC, Resistive, 50,000 ops Min.		
		20A-50A-20A 440VAC, Resistive, 50,000 ops Min.		
	Auxiliary contact	10mA 12VDC, 50,000 ops Min.		

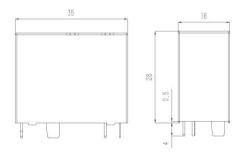
CHARACTERISTICS

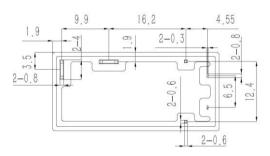
Operate voltage			75% of nominal voltage or less	
Release voltage			5% of nominal voltage or more	
Operate time (At nominal voltage)		voltage)	30ms Max	
Release time(At nominal voltage)		voltage)	10ms Max	
Insulation resistance			1,000MΩ Min (at 500 VDC)	
Dielectric strength	Between open contacts (main contact)		2,500 VAC, 50/60Hz (1 min)	
	Between coil and main contacts		4,000 VAC, 50/60Hz (1 min)	
	Between open contacts (Auxiliary contact)		500 VAC, 50/60Hz (1 min)	
,	Between coil and Auxiliary contacts		500 VAC, 50/60Hz (1 min)	
		ixiliary contacts and in contacts	4,000 VAC, 50/60Hz (1 min)	
Designation and the second size of the second		current	Based on IEC62752,≥1.5kA, ≥6.0kA²S,	
resistance to	Resistance to short circuit current		Based on IEC62955,≥1.85kA, ≥4.5kA ² S,	
Surge voltage between coil and main contacts		oil and main contacts	6,000V(1.2/50us)	
Vibration resistance			10Hz to 55Hz., 1.5mm double amplitude	
Shock resistance		Destruction	1,000m/S²(100G approximately)	
		Malfunction	100m/S2(10G approximately)	
Ambient humidity			5%~85% RH	
Ambient temperature			-40°C~+85°C (without icing or condensation)	
Terminal			PCB terminal	
Enclosure (94V-0 Flammability Ratings)			V: Vented(Flux-tight),plastic cover.(RT II)	
Main contact clearance			≥2.25mm	
Weight			Approx.35g	

ORDERING INFORMATION



OUTLINE DIMENSION

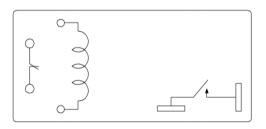




NOTE:

1) The reference tolerance in outline dimension; outline dimension ≤1mm, reference tolerance is ±0.2mm; outline dimension > 1mm and ≤5mm, reference tolerance is ±0.3mm; outline dimension > 5mm, reference tolerance is ±0.5mm. 2) The reference tolerance for PC Board layout is ±0.1mm.

WIRING DIAGRAMS (BOTTOM VIEWS)



PC BOARD LAYOUTS (BOTTOM VIEWS)

