

CHUROD ELECTRONICS
Everything we do is for our customers' advantage



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**CHUROD
ELECTRONICS**

Relays&Contactors
Top Ten Industries / Product Applications



Company Profile

Founded in 2006, Churod Electronics Co. is a leading relay solution provider and relay manufacturer in China. It has expanded from relays to contactors, and we added semiconductor products and sensors in 2020. Our mission is to provide customers around the globe a full range of high-quality products and value-added services. Churod has three production sites in China, branch offices in the U.S. and Europe, and research institutes in Tokyo, with global headcount exceeding 1200.

Churod always attaches great importance to innovation

and spends 8% of annual turnover on R&D. With guidance from our team of Japanese experts and their over 40 years' experience, Churod now is an advanced research and manufacture enterprise of relays. Equipped with internal lab test capabilities and reliabilities, our products are certified by CQC, CCC, TUV, VDE, and cUL, etc. By employing IPD (Integrated Project Development) practices, we can swiftly respond to market demand. As a relay designer and manufacturer, Churod has gained extensive recognition among manufacturers of home appliances,

industrial controls, automobile makers, 5G equipment, and new energy applications. It has an annual relay output exceeding 500 million pieces (and the number is growing!). Our products for 5G and new energy are at the forefront of the industry globally.

Led by a team of creative and ambitious management personnel with experience from Top 500 global companies, Churod is forging ahead with determination and unity. Embracing the qualities of honesty, responsibility, teamwork, diligence, and innovation, Churod is driven to provide excellent products and service, to create value for our customers, and to use our expertise to provide them with every advantage.



1200
Global
Employees



180
Patents



10+
Institutions



4
Plants

Core Competitive Advantage

▶ International R & D team

International & professional R&D team, quickly and continuously improve R&D capabilities

▶ Core Patent Technology Products

Core patent technology, differentiated technology competitiveness, provide more valuable products and services to customer.

▶ Use lean management to ensure quality

Use lean management to improve quality consistency and reliability, ensure product with high quality

▶ Lean Operations process

Use lean management method to establish a new lean operation center in all links from market to R & D, from business opportunities to orders, from delivery to customer. These processes can be copied quickly and support company's rapid development.

▶ Global layout

Global layout, exploring new sites around the world
Dongguan Headquarter, America and European Sales Office

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Application Field



Recommended Relay

CHMR-105A-THT
Coil voltage: 5VDC
Coil power: 313mW
Rated load: 15mA/1000VDC

CHI05-S-212HA2/H1A2
Coil voltage: 12VDC
Coil power: 800mW (1400mw)
Rated load: 10A
Contact gap: $\geq 1.7\text{mm}$ ($\geq 2.0\text{mm}$)

CHFN-V-112HA2F(31A/35A/40A/43A)
Coil voltage: 12VDC
Coil power: 1.4W
Rated load: 31A/35A/40A/43A
Contact gap: $\geq 1.8\text{mm}$ or 2.25mm

CHS01-V-112HA2(35A/43A/43G/50G/60G)
Coil voltage: 12VDC
Coil power: 2.25W
Rated load: 35A/43A/43A/50A/60A
Contact gap: $\geq 2.25\text{mm}$

CHAR-112A100T/130/150/200
Coil voltage: 12VDC
Coil power: 3.2W
Rated load: 100A/130A/150A/200A
Contact gap: $\geq 3.6\text{mm}$

CHAR-112A75C/90C/200C/250C/270C
Coil voltage: 12VDC
Coil power: 75C/90C: 2W 120C/165C: 2.5W
200C/250C/270C: 4W
Rated load: 75A/90A/120A/165A/200A/250A/270A
Contact gap: $\geq 4.0\text{mm}$

Common Model

Inverter Power	Recommend Model	Performance
Insulation Monitoring	CHMR-105A-THT CHMR-112A-THT	15mA
	CHI05-S-212HA2(10A)	10A
Below 5KW	CHI05-S-212HA4(10A)	10A
	CHI05-V-212H1A2(10A)	10A
	CHI05-V-212HA2(10A)	10A
Below 10KW	CHI05-V-212HA2(10A)	10A
	CHI05-V-212H1A2(10A)	10A
10-25KW	CHS01-V-112HA(35A)	35A
	CHS01-V-112HA2(43G)	43A
30-40KW	CHS01-V-112HA2(50G)	50A
	CHS01-V-112HA2(60G)	60A
	CHAR1-112AM70	70A
40-60KW	CHAR-112A75C	75A
	CHAR-112A100T CHAR-112A90C	100A 90A
60-70KW	CHAR-112A130	130A
80-110KW	CHAR-112A150	150A
120-225KW	CHAR-112A200 CHAR-112A200C	200A
350KW	CHAR-112A250C/270C	250A 270A

Application Field



Recommended Relay

CHDC-148D200AS/200BS/400AS/400BS
Coil voltage: 48VDC Contact form: Form A/Form B
Coil power: hold 3.6W/5W Mounting type: Screw type
Rated load: 200A/400A/60VDC

CHDC-148D200SL/400SL/500SL
Coil voltage: 48VDC Contact form: Form A or Form B
Coil power: 30W Mounting type: Screw type
Rated load: 200A/400A/500A/80VDC
Coil form: Latching coil

A1-S-124HA2
Coil voltage: 12VDC/24VDC Seal Type: Sealed
Coil power: 450mW Mounting type: PCB terminal
Rated load: 3A/5A/8A/10A

A2-S-124DA2/DC2
Coil voltage: 12VDC/24VDC Seal Type: Sealed
Coil power: 400mW Mounting type: PCB terminal
Rated load: 5A/10A

CHI03-S-124DA2
Coil voltage: 12VDC/24VDC Seal Type: Sealed
Coil power: 400mW Mounting type: PCB terminal
Rated load: 17A/20A

CHS01-S-124LA2
Coil voltage: 12VDC/24VDC Seal Type: Sealed
Coil power: 900mW Mounting type: PCB terminal
Rated load: 30A/40A

Common Model

Inverter Power	Recommend Model	Performance
Telecom Power	CHDC-148D200BS	200A/60VDC
	CHDC-148D200SL	200A/80VDC Latching
	CHDC-148D400BS	400A/60VDC
	CHDC-148D400SL	400A/80VDC Latching
Frequency Converter	CHDC-124D200AS	200A/60VDC
	CHDC-124D400AS	400A/60VDC
Power	A1-S-112HA2 A1-S-124HA2	10A/250VAC
	A2-S-112DC2 A2-S-124DC2	5A/250VAC
	CHZ03-V-112LA2 CHZ03-V-124LA2	16A/250VAC
	CHI03-S-112DA2 CHI03-S-124DA2	17A/250VAC
	CHS01-S-112LA2 CHS01-S-124LA2	30A/250VAC

Application Field



Recommended Relay



CHPV-S20/S40

Coil voltage: 12VDC or 24VDC
Coil power: 2.6W
Rated load: 20A/40A/1500VDC
Product structure: Ceramic and metal brazing



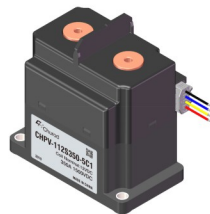
CHPV-S150

Coil voltage: 12VDC or 24VDC
Coil power: 6W
Rated load: 150A/1500VDC
Product structure: Ceramic and metal brazing



CHPV-P250

Coil voltage: 12VDC or 24VDC
Coil power: 6W
Rated load: 250A/1500VDC
Product structure: Ceramic and metal brazing



CHPV-S350

Coil voltage: Energy saving 12VDC or 24VDC
Coil power: Start with 50W, hold with 6W
Rated load: 350A/1500VDC
Product structure: Ceramic and metal brazing

Common Model

Application Field	Recommend Model	Performance
Household energy storage	CHPV-S20	20A/1500VDC
	CHPV-S40	40A/1500VDC
Power station energy storage	CHPV-S150	150A/1500VDC
	CHPV-P250	250A/1500VDC
	CHPV-S350	350A/1500VDC

Application Field



Recommended Relay



CHSR2-S-AB24D2F

Coil voltage: 5-110VDC
Coil power: 700mW
Rated load: 6A, 250VAC/30VDC
Product structure: Epoxy resin sealed



CHSR4-S-3A1B24D2F

Coil voltage: 5-110VDC
Coil power: 360mW
Rated load: 6A, 250VAC/30VDC
Product structure: Epoxy resin sealed



CHSR6-S-4A2B24D2F

Coil voltage: 5-110VDC
Coil power: 500mW
Rated load: 6A, 250VAC/30VDC
Product structure: Epoxy resin sealed

Common Model

Application Field	Recommend Model	Performance
Safe elevator Rail transit	CHSR2-S-AB24D2F	6A 2groups contacts
	CHSR4-S-3A1BD2F	6A 4groups contacts
	CHSR6-S-4A2BD2F	6A 6groups contacts

Application Field



Recommended Relay

CHS01-S-112LA2(30A/40A)
 Coil voltage: 12VDC Coil power: 30A/40A/277VAC
 Rated load: 0.9W Installation mode: PCB terminal

CHS01-V-112LA2(50A/60A)
 Coil voltage: 12VDC Coil power: 50A/60A/277VAC
 Rated load: 0.9W Installation mode: PCB terminal

CHEV-112EA60/120
 Coil voltage: energy saving 12-24VDC
 Rated load: Start with 42-55W hold with 1.8-3.0w
 Coil power: 60A/120A/750VDC
 Product structure: Ceramic and metal brazing
 Contact form: With auxiliary contact

CHC-L63/VB-12-LAB
 Coil Voltage: 12VDC
 Installation mode: PCB terminal
 Coil form: latching Rated load: 1 coil 9W
 Coil Power: 80VDC

CHP5-112BNB2-B60
 Coil voltage: 12VDC Installation mode: PCB terminal
 Coil form: Latching
 Rated load: 2 coil 2.0w Coil power: 60A/250VDC

CHP8-112DB2-S90
 Coil voltage: 12VDC Installation mode: PCB terminal
 Coil form: Latching
 Rated load: 1 coil 2.0w Coil power: 90A/250VDC

Common Model

Application Field	Recommend Model	Performance
Charging module	CHS01-S-112LA2	30A/40A 250VAC
	CHS01-V-112LA2	50A/60A 250VAC
	CHP5-112BNB2-B60	60A 250VAC
	CHP8-112DB2-S90	90A 250VAC
DC charging station	CHEV-112EA60	60A 750VDC
	CHEV-112EA120	120A 750VDC
	CHC-L63/VB-12-LAB	63A 80VDC
AC charging station	CHS01-S-112LA2	30A/40A 250VAC
	CHS01-V-112LA2	50A/60A 250VAC
	CHP5-112BNB2-B60	60A 250VAC
	CHP8-112DB2-S90	90A 250VAC

Application Field



Common Model

Recommended Relay

CHDR1-112DV20/20T/50
CHDR1-124DV20/20T/50
 Coil voltage: 12V or 24VDC(Optional)
 Coil power: 1.9W
 Rated load: 20A, 600VDC/50A, 500VDC
 Product structure: Epoxy resin sealed

CHDR1-112DP20BL
 Coil voltage: 12V or 24V or 48V(Optional)
 Coil power: 3W
 Rated load: 20A/450VDC
 Product structure: Epoxy resin sealed

CHEV-P100/150D/200/250
 Coil voltage: 12V or 24VDC(Optional)
 Coil power: 5.2W~6.0W
 Rated load: 100A/150A/200A/250A/750VDC
 Product structure: Ceramic brazing sealed

CHEV-H250/300/400
 Coil voltage: 12V or 24VDC(Optional)
 Coil power: 6.0W
 Rated load: 250A/300A/400A/750VDC
 Product structure: Ceramic brazing sealed

Application Field	Recommend Model	Performance
Main relays	CHEV-P100	100A/750VDC
	CHEV-P150D	150A/750VDC
	CHEV-P200	200A/750VDC
	CHEV-P250	250A/750VDC
	CHEV-H250	250A/750VDC
	CHEV-H300	300A/750VDC
Precharging relays	CHEV-H400	400A/750VDC
	CHDR1-112DP20BL	20A/450VDC
	CHDR1-112DV20	20A/600VDC
	CHDR1-112DV20T	20A/600VDC
Fast charging relays	CHDR1-112DO50	50A/500VDC
	CHEV-P100	100A/750VDC
	CHEV-P150D	150A/750VDC
	CHEV-P200	200A/750VDC
	CHEV-P250	250A/750VDC
	CHEV-H250	250A/750VDC
General Charging Relay	CHEV-H300	300A/750VDC
	CHEV-H400	400A/750VDC
	CHDR1-112DV20	20A/600VDC
	CHDR1-112DV20T	20A/600VDC
Auxiliary & PTC relays	CHDR1-112DO50	50A/500VDC
	CHEV-P100	100A/750VDC
	CHEV-P150D	150A/750VDC
	CHDR1-112DV20	20A/600VDC
	CHDR1-112DV20T	20A/600VDC
	CHDR1-112DO50	50A/500VDC
	CHEV-112S60	60A/750VDC
	CHEV-P100	100A/750VDC

Application Field



Recommended Latching Relay



CHP8-112DB2-D90, P200

Coil voltage: 12VDC
 Coil power: 2 Coil 3.0W
 Rated load: 90A/250VAC
 Product structure:
 Base with mounting boss, terminal 4.0



CHP8-112DB2-D90, P400A

Coil voltage: 12VDC
 Coil power: 2 Coil 3.0W
 Rated load: 90A/250VAC
 Product structure: Without mounting boss, terminal 3.5



CHP8-112MA2-DF120, W003G

Coil voltage: 12VDC
 Coil power: 2 Coil 3.0W
 Rated load: 90A/250VAC
 Product structure: With brush wire



CHP5-1A12BNB2-B60

Coil voltage: 12VDC
 Coil power: 1 coil 1.5W
 Rated load: 60A/250VAC
 Product structure: PCB Pin

Common Model

Application Field	Recommend Model	Performance
Smart meter	CHP8-112DB2-D90, P200	90A
	CHP8-112DB2-D90, P400A	90A
	CHP8-112MA2-DF120, W003G	120A
	CHP5-1A12BNB2-B60	60A

Application Field



Recommended Relay



CHDR-112D100/100H/150H

Coil voltage: 12VDC
 Coil power: 3.2W
 Rated load: 100A/150A/60VDC
 Mounting type: PCB terminal



CHDC-112D200/400ADH

Coil voltage: 12VDC
 Coil power: keep with 8.8W
 Load condition: 200A/400A/80VDC
 Contact form: Form A
 Mounting type: Screw type



CHDC-112D200/400SL/500SL

Coil voltage: 12VDC
 Coil power: 30W
 Load condition: 200A/400A/80VDC
 Contact form: Form B
 Mounting type: Screw type
 Coil form: Latching coil



CHEV-H250/300/400 CHEV-P100/P150D/200/250

Coil voltage: 12V or 24VDC(optional)
 Coil power: 6.0W
 Rated load: 100A/150A/200A/250A/300A/
 400A/750VDC



Product structure: Ceramic brazing sealed
 Mounting type: Screw type

Common Model

Application Field	Recommend Model	Performance
Industrial forklift Crane Tower crane Excavator Latching type	CHDR-112D100	100A/48VDC
	CHDR-112D100H	100A/60VDC
	CHDR-112D150H	150A/60VDC
	CHDC-112D200ADH	200A/80VDC
	CHDC-112D400ADH	400A/80VDC
	CHDC-112D200/400SL/500SL	200A/400A/500A/80VDC Latching type
	CHEV-P100	100A/750VDC
	CHEV-P150D	150A/750VDC
	CHEV-P200	200A/750VDC
	CHEV-P250	250A/750VDC
CHEV-H250	250A/750VDC	
CHEV-H300	300A/750VDC	
CHEV-H400	400A/750VDC	

Application Field



Recommended Relay



A1 series

Coil voltage: 5VDC, 12VDC, 24VDC
Coil power: 200mW/450mW
Rated load: 10A TV-5



A16 series

Coil voltage: 5VDC, 12VDC
Coil power: 400mW
Rated load: 16A TV-8



CHI03 series

Coil voltage: 5VDC, 12VDC
Coil power: 400mW
Rated load: 17/20A TV-8



CHI03L series

Coil voltage: 5VDC, 12VDC
Coil power: 400mW/600mW
Rated load: 17/20A TV-8
Coil form: Latching coil optional

Common Model

Application Field	Recommend Model	Performance
Smart switch Smart socket	A1-S-105IA2F	10A, Sensitive type 0.2W
	A1-S-112IA2F	10A, Sensitive type 0.2W
	A1-S-105HA2	10A, Standard type 0.45W
	A1-S-112HA2	10A, Standard type 0.45W
	CHI03-S-105DA2	17/20A, Standard type 0.4W
	CHI03-S-112DA2	17/20A, Standard type 0.4W
	CHI03L-S-105DA2	17/20A, Latching type
	CHI03L-S-112DA2	17/20A, Latching type
	CHI03L-S-105HA2	17/20A, Latching type
	CHI03L-S-112HA2	17/20A, Latching type
	A16-V-105DA2F	16A, Small volume type
	A16-V-112DA2F	16A, Small volume type
Intelligent door and window /electronic motor	A1-S-112HA2	10A, Standard type 0.45W
Intelligent control (lighting)	A1-S-112HA2	10A, Standard type 0.45W
	CHI03-S-112DA2	17/20A, Standard type 0.4W
Intelligent toilet cover	CHI03-S-112DA2	17/20A, Standard type 0.4W
Intelligent clothes hanger	A1-S-112HA2	10A, Standard type 0.45W
	A1-S-124HA2	10A, Standard type 0.45W
Other type	CHI03-S-112DA2	17/20A, Standard type 0.4W
	CHI03-S-124DA2	17/20A, Standard type 0.4W
	CHI03L-S-112HA2	17/20A, Latching type

Application Field



Recommended Relay



A1-V/S-112DA/HA/HAF

Coil voltage: 12VDC Rated load: DA:5A \ HA/HAF:10A
Coil power: 450mW
Seal Type: Vented/Sealed/Explosion-proof (Optional)



CHZ01/02/03-S-112LA2

Coil voltage: 12VDC Rated load: 10A/16A
Coil power: 530mW
Seal Type: Sealed/Explosion-proof (Optional)



A2-S-112DA2/DC2

Coil voltage: 12VDC Rated load: 5A
Coil power: 400mW Seal Type: Sealed



CHF/CHFN-V/S-112DA2

Coil voltage: 12VDC Rated load: 20A/25A(optional)
Coil power: 900mW
Seal Type: Vented/Sealed/Explosion-proof (Optional)



CHE/CHEN-V/S-112DA2

Coil voltage: 12VDC Rated load: 20A/25A(optional)
Coil power: 900mW
Seal Type: Vented/Sealed/Explosion-proof (Optional)



CHM-V/S-112DA3

Coil voltage: 12VDC Rated load: 5A
Coil power: 200mW
Seal Type: Vented/Sealed/Explosion-proof (Optional)



CHW-S-112DA2/DC2H

Coil voltage: 12VDC Rated load: 10A/17A/20A
Coil power: 360mW Seal Type: Sealed/Explosion-proof(Optional)



CHI03-S-112DA2

Coil voltage: 12VDC Rated load: 17/20A
Coil power: 400mW
Seal Type: Sealed/Explosion-proof (Optional)



CHS01/02-S-112LA2

Coil voltage: 12VDC Rated load: 30A/40A
Coil power: 900mW
Seal Type: 'Sealed/Explosion-proof (Optional)

Common Model

Application Field	Recommend Model	Performance
Air conditioner Refrigerator Washing machine Small appliances Kitchen Vent Water heater	A1-S-112DA	5A, Sealed/Explosion-proof
	A1-V-112DA	5A, Vented
	A1-S-112HA2	10A, Sealed/Explosion-proof
	A1-V-112HA2	10A, Vented
	A1-S-112HA2F	10A, Sealed/Explosion-proof
	CHM-S-112DA3	5A, Sealed/Explosion-proof
	CHM-V-112DA3	5A, Vented
	A2-S-112DA2	5A, Sealed, Form A
	A2-S-112DC2	5A, Sealed, Form C
	CHW-S-112DA2	10A, Sealed, Form A
	CHW-S-112DC2	10A, Sealed, Form C
	CHW-S-112DA2H	17/20A Sealed Form A
	CHW-S-112DC2H	17/20A Sealed Form C
	CHZ01-S-112LA2	10A, Sealed
	CHZ02-S-112LA2	16A, Sealed/Explosion-proof
	CHZ03-S-112LA2	16A, Sealed/Explosion-proof
	CHI03-S-112DA2	17A, Sealed/Explosion-proof
	CHF-S-112DA2	20A/25A, Sealed/Explosion-proof
	CHF-V-112DA2	20A/25A, Vented
	CHFN-S-112DA2	20A/25A, Sealed/Explosion-proof
CHFN-V-112DA2	20A/25A, Vented	
CHE-S-112DA2	20A/25A, Sealed/Explosion-proof	
CHE-V-112DA2	20A/25A, Vented	
CHEN-S-112DA2	20A/25A, Sealed/Explosion-proof	
CHEN-V-112DA2	20A/25A, Vented	
CHS01-S-112LA2	30A/40A, Vented/Sealed	
CHS02-S-112LA2	30A, Vented/Sealed	