CHDC-D200SL/SLA Series

FEATURES

- 200A Contact switching capability
- Having a set of normally open contacts
- Meet cULus,CCC Requirements (UL508 , IEC60947-4-1 , GB/T 14048.4)
- RoHS compliance
- REACH SvHC compliance

File NO. E341422

File NO20000304000003

APPLICATION

Telecommunication equipment, construction machinery, battery car, Electric forklift，automobile，Train，Ship，

Uninterruptible power supply and other electronic control systems.

CONTACT DATA

TYPE	CHDC-D200SL/SLA
Contact arrangement	1A Bridge Form A
Contact material	Ag Alloy
Initial contact resistance	0.7mΩ Max. (6VDC,20A)
Rated insulation voltage	100VDC
Max. switching voltage	80VDC
Max. switching current (Resistive Load))	200A
Max. switching power	16,000W
Mechanicalendurance (No Load)	100,000 ops Min.(No Load)
Electrical endurance (Resistive Load)	6,000 ops Min(Resistive Load)
Minimum load (reference value)	100mA@ 48VDC

COIL DATA @23℃

CHDC-D200SL/SLA					
Nominal Voltage (VDC)	Rated Power (W)	Rated Current (A)	coil resistance (Ω)±10%	Operate Voltage (VDC MAX.)	Release Voltage (VDC Min.)
12	Approx. 21	1.75	6.9	9.0	9.0
24		0.88	27.4	18.0	18.0
48		0.44	110.0	36.0	36.0
60		0.35	171.4	45.0	45.0

CHARACTERISTICS

Operate voltage		75% of nominal voltage or less
Release voltage		75% of nominal voltage or more
Operate time(At nominal voltage)		≤30ms
Release time (At nominal voltage)		≤30ms
Closed bounce time (rated voltage)		≤3ms
Insulation resistance		2 MΩ Min. (at 500 VDC)
Dielectric strength	Between coil and contacts	1,000 VAC, 50/60 Hz (1 Min)
	Between open contacts	1,000 VAC, 50/60 Hz (1 Min)
Rated impulse withstand voltage	Between coil and contacts	25,000V(1.2/50μs)
	Between open contacts	25,000V(1.2/50μs)
Vibration resistance	Functional	10 ~ 55 Hz.,Acceleration≤2G
	Destructive	10 ~ 55 Hz.,Acceleration≤5G
Shock resistance	Functional	3G Min.
	Destructive	50G Min.
Ambient temperature		Operating: -40~+70℃ (without icing or condensation)
Storage ambient temperature		Operating: -40~+75℃ (without icing or condenasation)
Ambient humidity		5% to 95%Rh at 20℃
Mounting Type		Screw installation (M8)
Protection grade		IP00
Pollution degree (94V-0 Flammability Ratings)		Ⅲ(Case)
Weight		286g

ORDERING INFORMATION

	CHDC	-1	48	D200	S	L	A	000

1.Product Family

2. Number of Poles

1 pole (Bridge type)

3. Rated Coil Voltage

12,24,48 , 60VDC

4.Rated Current

D200: DC 200A

5. Terminal Type

S :Screw Terminal

6.Relay Tyep :

L: Latching

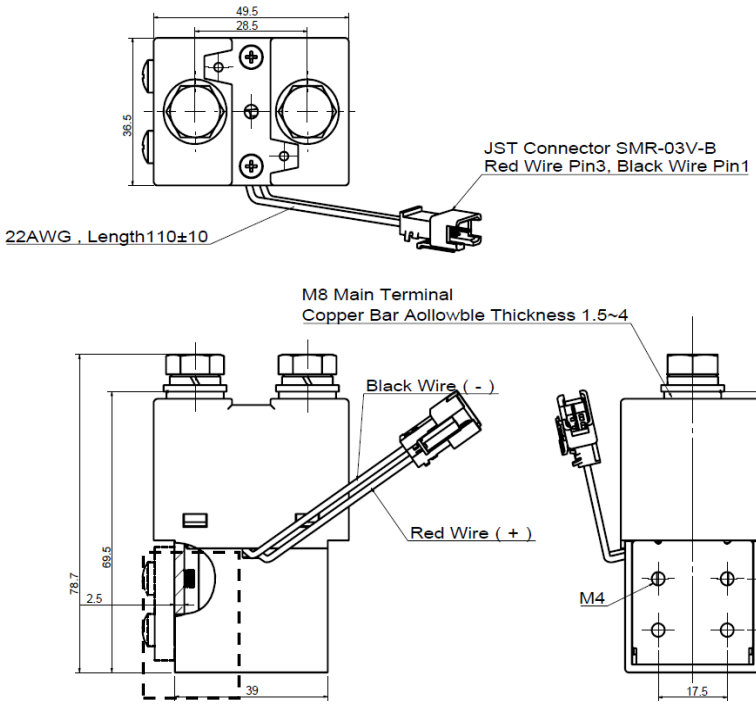
7.Auxiliary Switch :

A: With The Auxiliary ; Blank : With No The Auxiliary

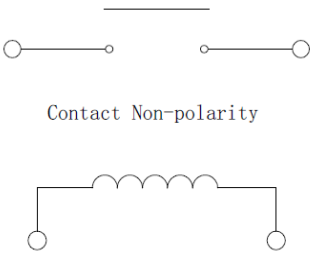
8.Additional numbers and /or letters :

000~999 , AAA~ZZZ or or blank , which does not represent electrical changes, only for specific customer requirements

CHDC-D200SL Series OUTLINE DIMENSION



CHDC-D200SL Series WIRING DIAGRAMS(BOTTOM VIEWS)

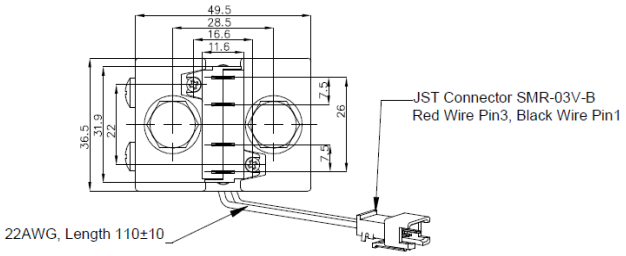


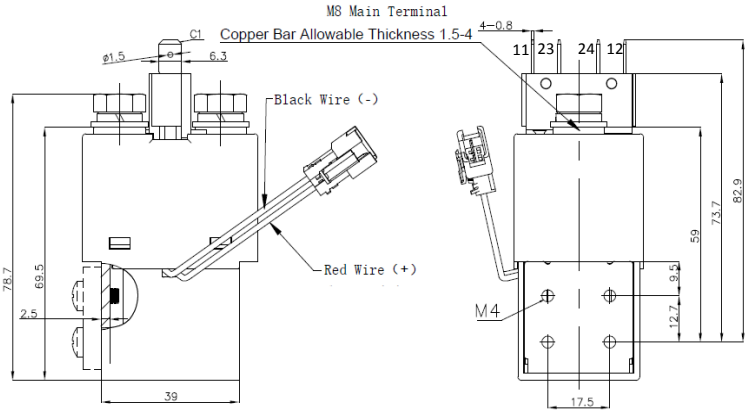
Contact Non-polarity

Black Wire "-" Red Wire "+"

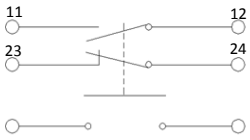
Coil Plus Positive Pulse, Contact Closed,
Coil Plus Negative Pulse, Contact Open

CHDC-D200SLA Series OUTLINE DIMENSION





CHDC-D200SLA Series WIRING DIAGRAMS(BOTTOM VIEWS)



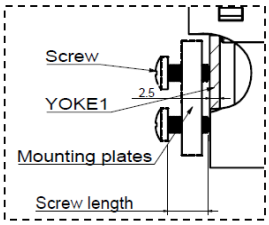
Contact Non-polarity

Black Wire "-" Red Wire "+"

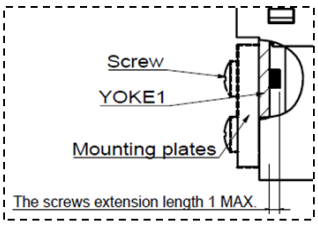
Coil Plus Positive Pulse, Contact Closed,
Coil Plus Negative Pulse, Contact Open

CHDC-D200SL/SLA Series Installation Requirement for Screw

See the following figure for the screw mounting in the wireframe.



Before the mounting



After the mounting

Note :

The product does not come with screw and mounting plates.Customers need to perpare the mouting sizes by themselves as follow:

L=T(mouting thickness)+2.5(YOKE1 thickness)+1 MAX.(Screw extension length)

Remark:

The reference tolerance in outline dimension: :

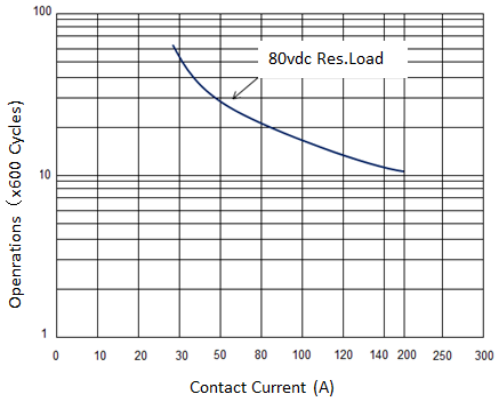
outline dimension ≤1mm, reference tolerance is ±0.2mm;

outline dimension > 1mm and ≤5mm, reference tolerance is ±0.3mm;

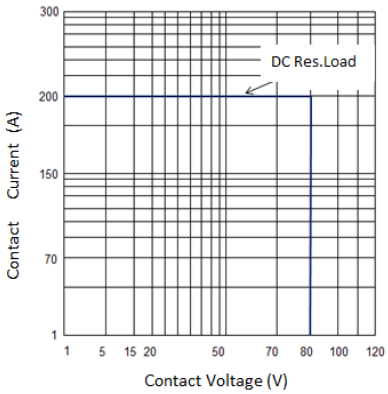
outline dimension > 5mm, reference tolerance is ±0.5mm.

Reference Data

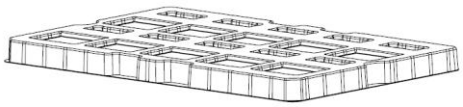
Life Expectancy

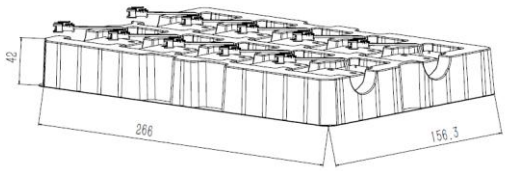


Max. Switching Power



PACKING





10 pcs inside a box

10 pcs inside a carton

Matters needing attention

1. When installing contactor, the tightening torque of main circuit connection screw and nut is 8 ~ 13N.m, and the tightening torque of control circuit connection screw and nut is 1 ~ 1.5N.m.
2. The starting coil power must be no less than the relay coil power. Otherwise, the relay can not operate normally.
3. The product is non-waterproof. Avoid use in the environment where relay case or terminals may contact water, solvent, or oil.
4. The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications subject to change without n

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.