

# DHC300



## Feature

- 300A Contact switch capacity, Small volume ;
- A set of bridge type N.O.contacts contact circuit has "+", "-" polarity;
- Coil with energy saving device, the max hold in power consumption is 4.5W.
- Using ceramic brazing technology, the contact part is sealed with hydrogen gas, the contact would not oxidize, can quickly switch off the dc high voltage;

## Performance Data

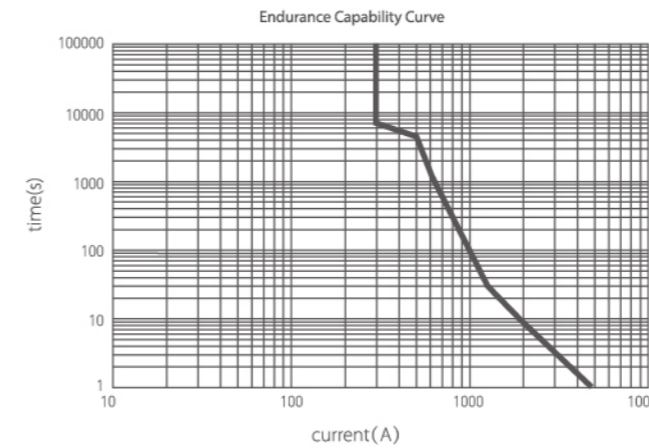
Contact Data	Contact arrangement	1H(SPST-NO)
	Rated load(Resistive load)	300A
	Min applicable load (Resistive load)	1A/12VDC
	Max switch current	2500A(320VDC)1cycle
	Max switch voltage	1000VDC
Current carrying capacity(a)	Contact voltage drop(initial)	≤80mV@300A
	Current carrying capacity(a)	300A : continued
		450A : 60min
		600A : 20min
Electrical endurance	Pick-up time (at 20°C rated volt.)	≤30ms (Excluding contact bounce)
	Drop-out time (at 20°C rated volt.)	≤30ms
	Contact bounce time (at 20°C rated volt.)	≤10ms
		Dielectric strength
Ops	Electrical endurance	300A 450VDC ≥6,000 ops
		300A 750VDC ≥1,000 ops
	Mechanical endurance	≥200,000 ops

Note: (a): The above data is tested at ambient temperature, connecting wire cross section area≥100mm<sup>2</sup>  
 (b): Except for special instructions, the Electrical endurance On-off ratio is 1s:9s

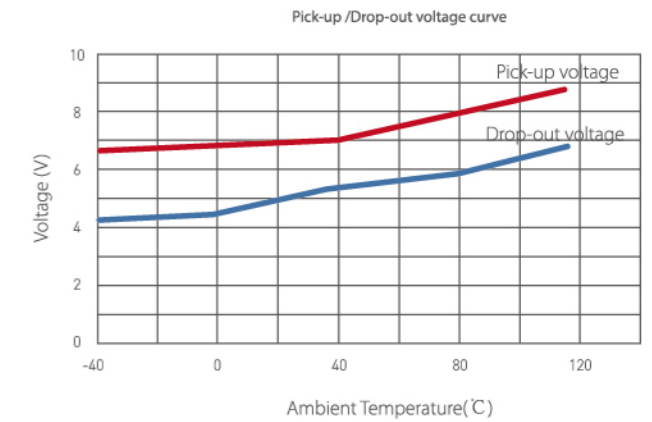
## Coil Data

Nominal coil volt	Pick-up volt	Release volt	Max operate volt	Rated current (±10%)	Rated power
12V DC	≤9V DC	≥1V DC	16V DC	Pick-up: 3.75A Hold-in: 0.375A	Pick-up: 45W(0.2s Pick-up) Hold-in: 4.5W
24V DC	≤18V DC	≥2V DC	32V DC	Pick-up: 1.88A Hold-in: 0.188A	Pick-up: 45W(0.2s Pick-up) Hold-in: 4.5W

## Power Switching Capacity for Resistive Load

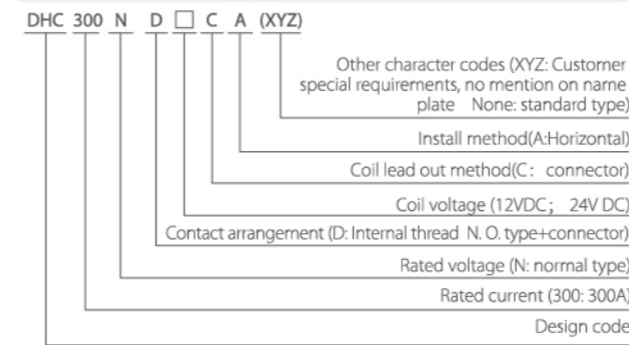


Note: The above data is tested at 85°C ambient temperature, connecting wire cross section area≥100mm<sup>2</sup>. The data is for reference only; please do not use to select the fuse directly.

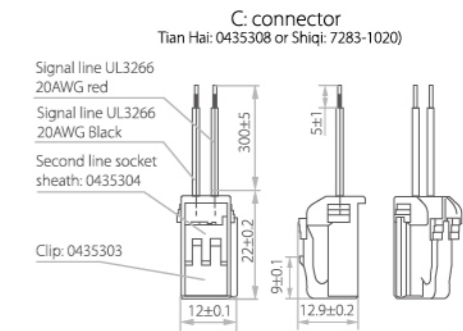


Note: The above data are tested by random sampling of coil volt. 12VDC product. The data is for reference only, (test qty:n=3)

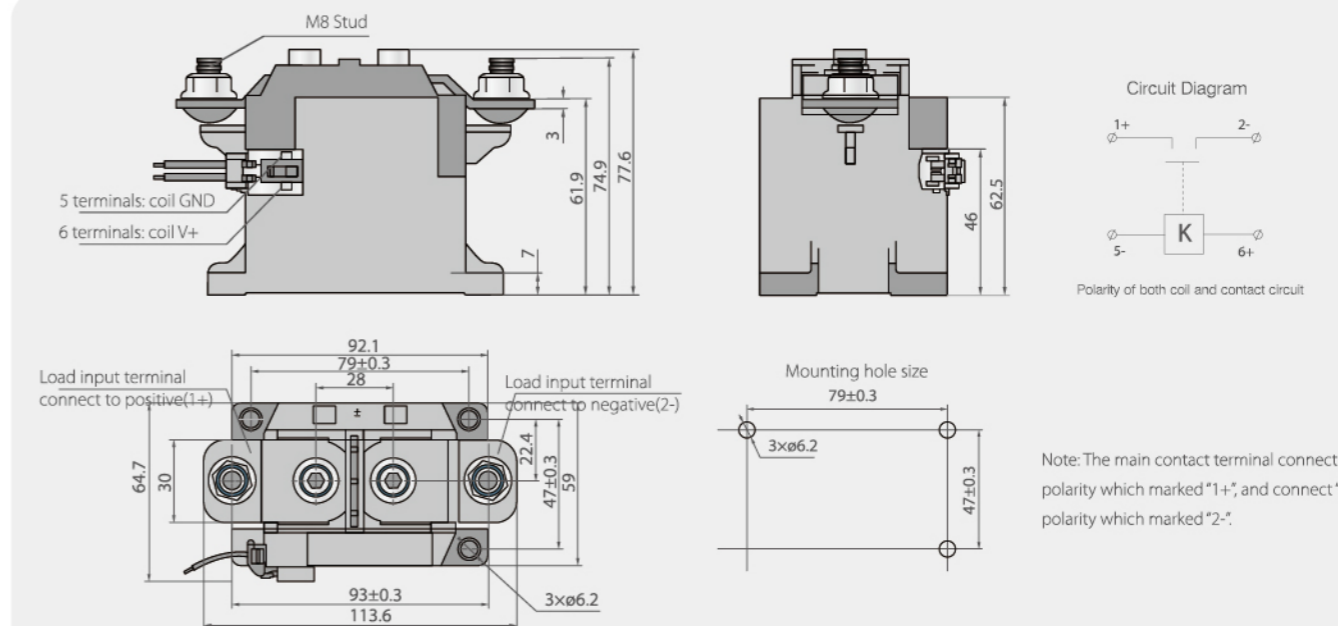
## Part Numbering System



## Coil lead-out method



## Outline mounting dimension and circuit diagram



Note: The main contact terminal connect "+", polarity which marked "1+", and connect "-", polarity which marked "2-".

Tolerance grade not noted

<10mm	±0.3
10~50mm	±0.6
>50mm	±1.0