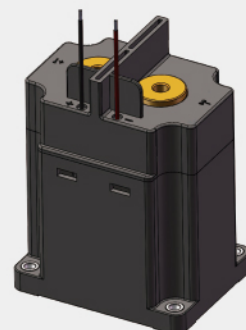


DHC600



Feature

- 600A Contact switch capacity, Small volume;
- This product is non-polar type, the contact circuit is non-polar and can be connected in any direction while coil circuit is polar, please connect coil red wire to "+" & black wire to "-"
- Coil with energy saving device, the max hold in power consumption is 9W.
- Using ceramic brazing technology, the contact part is sealed with hydrogen gas, the contact would not oxidize and can quickly switch off the dc high voltage;

Performance Data

Contact Data

Contact arrangement	1H(SPST-NO)
Rated load(Resistive load)	600A
Min applicable load (Resistive load)	1A/12VDC
Max switch current	2500A(800VDC)1cycle
Max switch voltage	1000VDC
Contact voltage drop(initial)	≤120mV@600A
Current carrying capacity(a)	600A : continued
	8000A : 20min
	3000A : 4s
	8000A : 10ms

Electrical endurance

Pick-up time (at 20°C rated volt.)	≤50ms (Excluding contact bounce)	
Drop-out time (at 20°C rated volt.)	≤30ms	
Contact bounce time (at 20°C rated volt.)	≤10ms	
Dielectric strength	Between open contact	3000VAC 1min
	Between contact and coil	4000VAC 1min

Ops

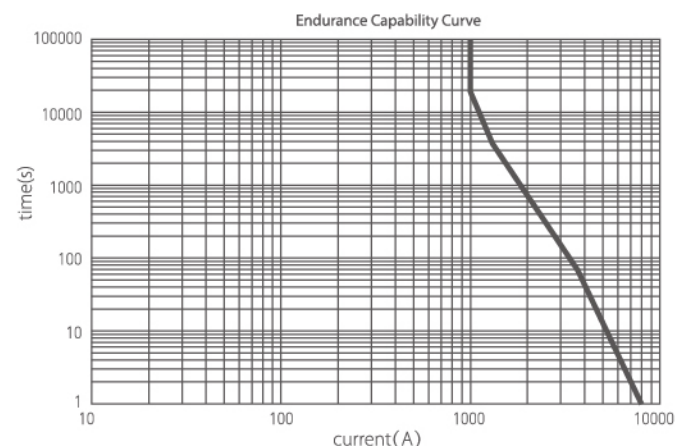
Electrical endurance	300A 750VDC	≥2,000 ops
	600A 750VDC	≥500 ops
	600A 1000VDC	≥100 ops
Mechanical endurance		≥200,000 ops

Note: (a): The above data is tested at ambient temperature, connecting wire cross section area≥300mm²
 (b): Except for special instructions, the electric life On-off ratio is 1s:9s

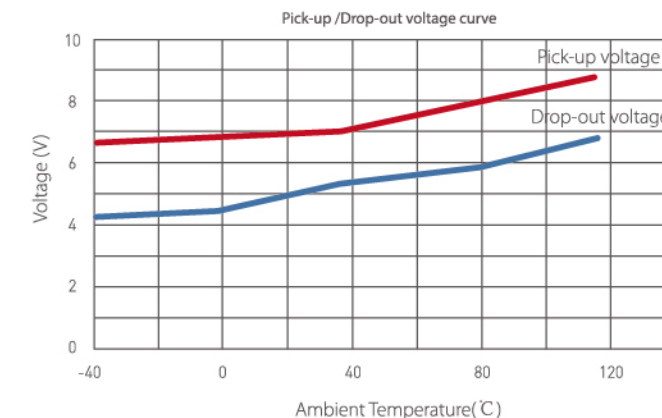
Coil Data

P/N	Nominal coil volt	Pick-up volt	Drop-out volt	Max operate volt	Rated current (±10%)	Rated power
DHC600	12V DC	≤9V DC	≥1V DC	16V DC	Pick-up: 4.2A Hold-in: 0.75A	Pick-up: 50W(0.2s Pick-up) Hold-in: 9W
	24V DC	≤18V DC	≥2V DC	32V DC	Pick-up: 2.1A Hold-in: 0.375A	Pick-up: 50W(0.2s Pick-up) Hold-in: 9W

Power Switching Capacity for Resistive Load

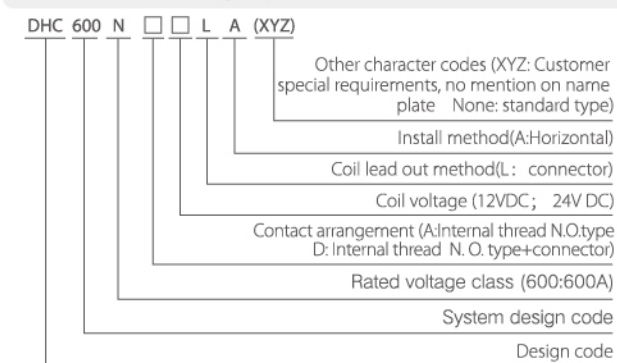


Note: The above data is tested at 85°C ambient temperature, connecting wire cross section area≥200mm². The data is for reference only, please do not use to select the fuse directly.

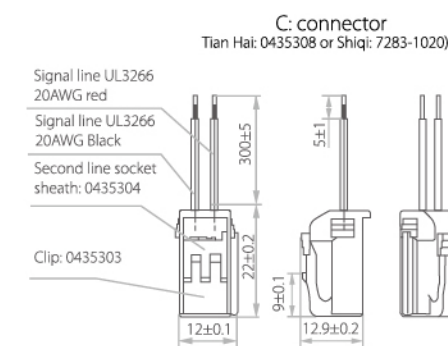


Note: The above data are tested by random sampling of coil volt. 12VDC product. The data is for reference only, (test qty:n=3)

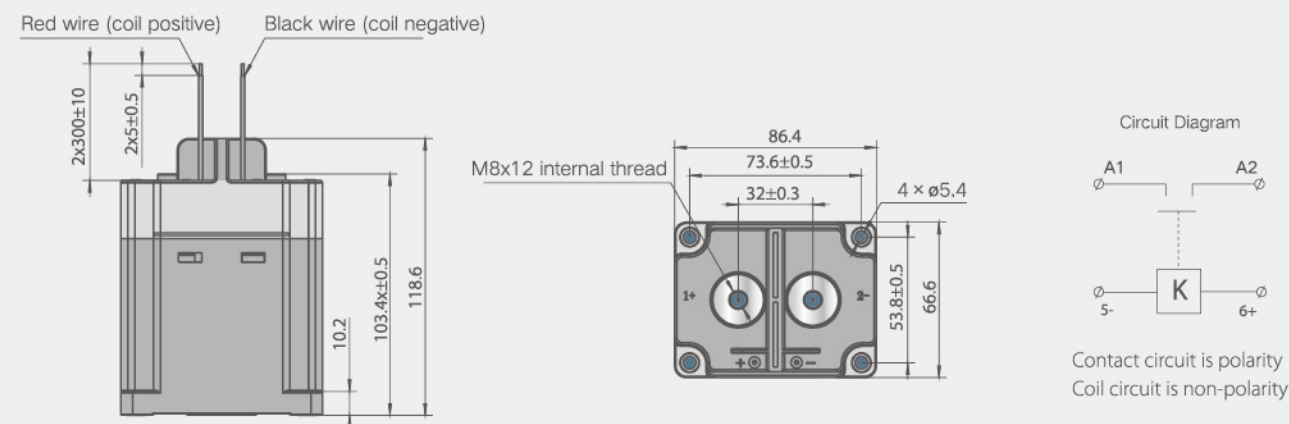
Part Numbering System



Coil lead-out method



Outline mounting dimension and circuit diagram



Contact circuit is polarity
Coil circuit is non-polarity

Tolerance grade not noted

<10mm	±0.3
10~50mm	±0.6
>50mm	±1.0