

DHC40



Feature

- 40A Contact switch capacity, Small volume;
- A set of bridge type N.O.contacts; Non-polarity of contact circuit;
- Using ceramic brazing technology, the contact part is sealed with hydrogen gas. The contact does not oxidize, can quickly cut off in the dc high voltage;

Performance Data

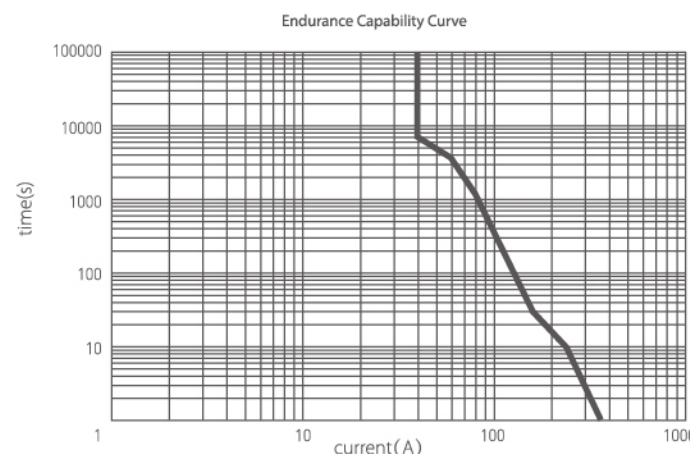
Contact Data	Contact arrangement	1H(SPST-NO)	
	Rated load(Resistive load)	40A	
	Min applicable load (Resistive load)	1A/12VDC	
	Max switch current	400A(300VDC)1cycle	
	Max switch voltage	1000VDC	
	Contact voltage drop(initial)	≤80mV@40A	
	Current carrying capacity(a)	40A:continued	
		60A : 1h	
		80A : 20min	
		160A: 30s	
320A: 2s			
Electrical endurance	Pick-up time (at 20 °C rated volt.)	≤30ms (Excluding contact bounce)	
	Drop-out time (at 20 °C rated volt.)	≤10ms	
	Contact bounce time (at 20 °C rated volt.)	≤5ms	
	Dielectric strength	Between open contact	3000VAC 1min
Between contact and coil		4000VAC 1min	
Ops	Electrical endurance	40A 450VDC	≥20,000 ops
		40A 750VDC	≥6,000 ops
	Mechanical endurance		≥200,000 ops

Note: (a): The above data is tested at ambient temperature, connecting wire cross section area 10mm².
 (b): Except for special instructions, the electric life On-off ratio is 1s:9s

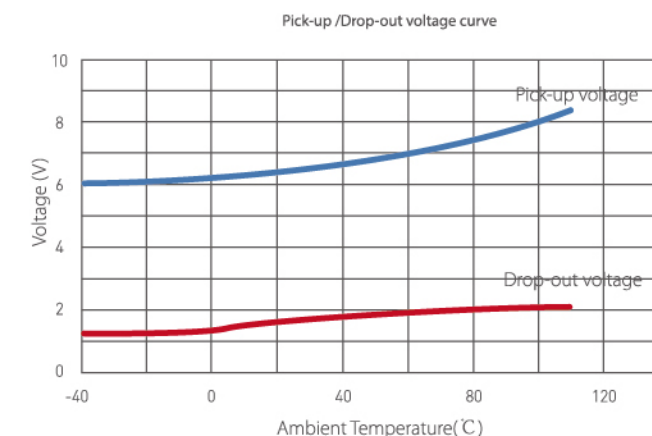
Coil Data

Nominal coil volt	Pick-up volt	Release volt	Max operate volt	Rated current (±10%)	Rated power
12V DC	≤9V DC	≥1V DC	16V DC	0.25A	3W
24V DC	≤18V DC	≥2V DC	32V DC	0.125A	3W

Power Switching Capacity for Resistive Load

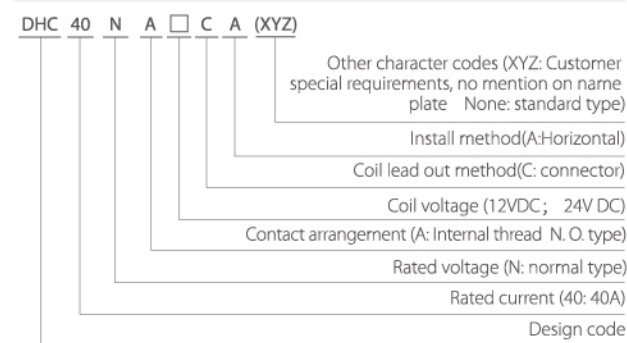


Note: The above data is tested at 85 °C ambient temperature, connecting wire cross section area ≥10mm². The data is for reference only; please do not use to select the fuse directly.

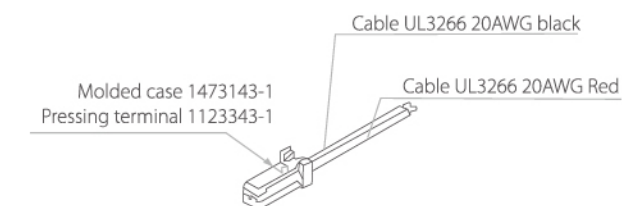


Note: The above data are tested by random sampling of coil volt. 12V DC product. The data is for reference only, (test qty: n=3)

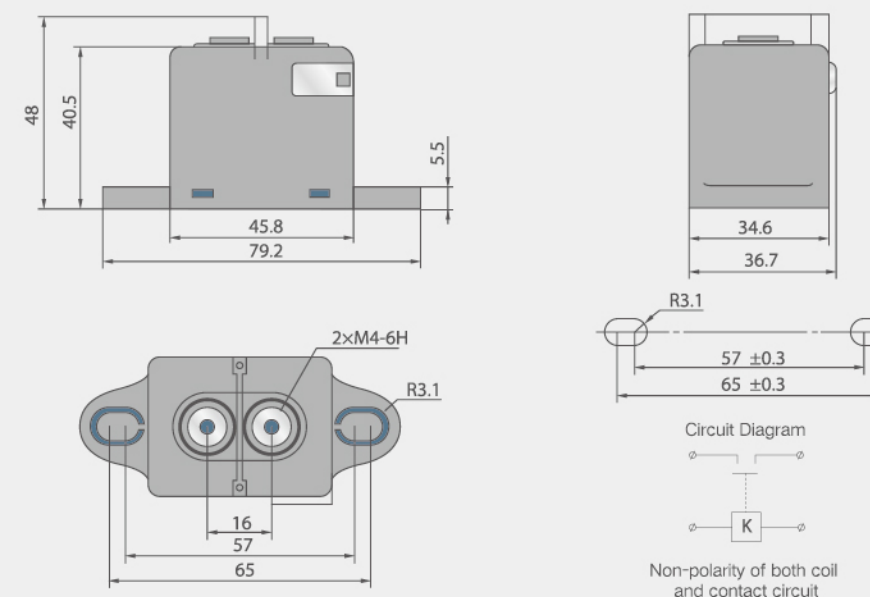
Part Numbering System



Coil lead-out method



Outline mounting dimension and circuit diagram



Tolerance grade not noted

<10mm	±0.3
10~50mm	±0.6
>50mm	±1.0