

## HCDB1-63 DC MCB Specifications

### Ratings:

- ◇ Rated Operational Voltage: 250/500/750/1000VDC
- ◇ Rated Current: 6/10/16/20/25/32/40/50/63A
- ◇ Rated Insulation Voltage : 250V(1p), 500V(2P), 750V(3P),1000V(4P)
- ◇ Rated Impulse Withstand Voltage: 6kV
- ◇ Tripping Type: Thermal Magnetic
- ◇ Rated Ultimate Short-Circuit Breaking Capacity: 10kA
- ◇ Rated Service Short-Circuit Breaking Capacity: 7.5kA



### Approvals/Standards:

- ◇ CB
- ◇ CE
- ◇ SEMKO
- ◇ REACH/RoHS

### Features&Benefits:

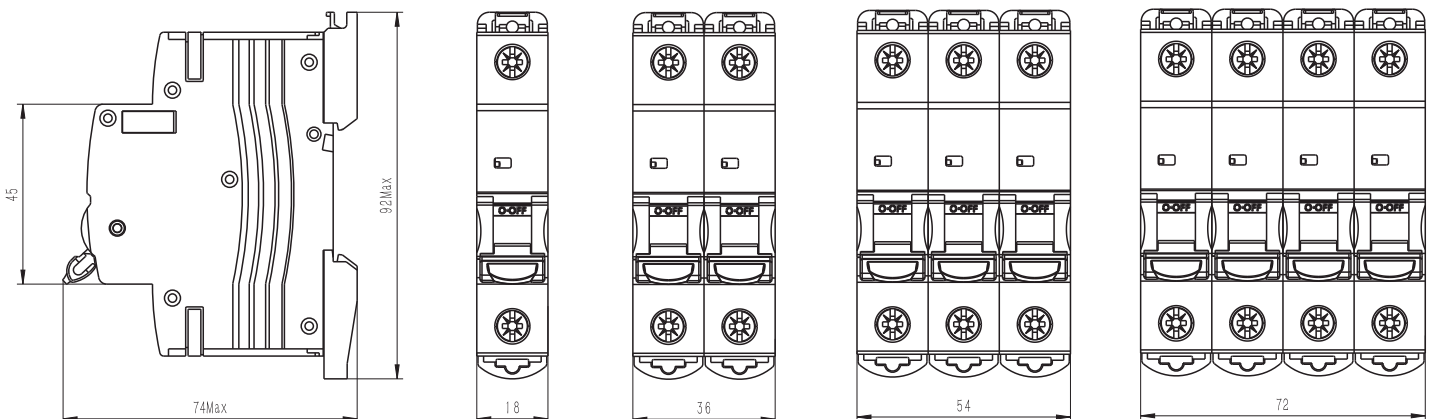
- Overload and the short circuit protection function
- Non-polarity and Polarity both available
- Designed for PV, energy storage and other DC applications

HECHENG Code	HC	D	B1	-63	C	63 /	2
D : DC							
B1 :1 Series Circuit breaker							
Frame Current : 63							
Tripping Curve	B: Type B		C: Type C				
Rated Current	6:6A 10:10A 16:16A 20:20A 25:25A 32: 32A 40:40A 50:50A 63:63A						
Pole	1: 1Pole 2: 2Poles 3: 3Poles 4: 4Poles						

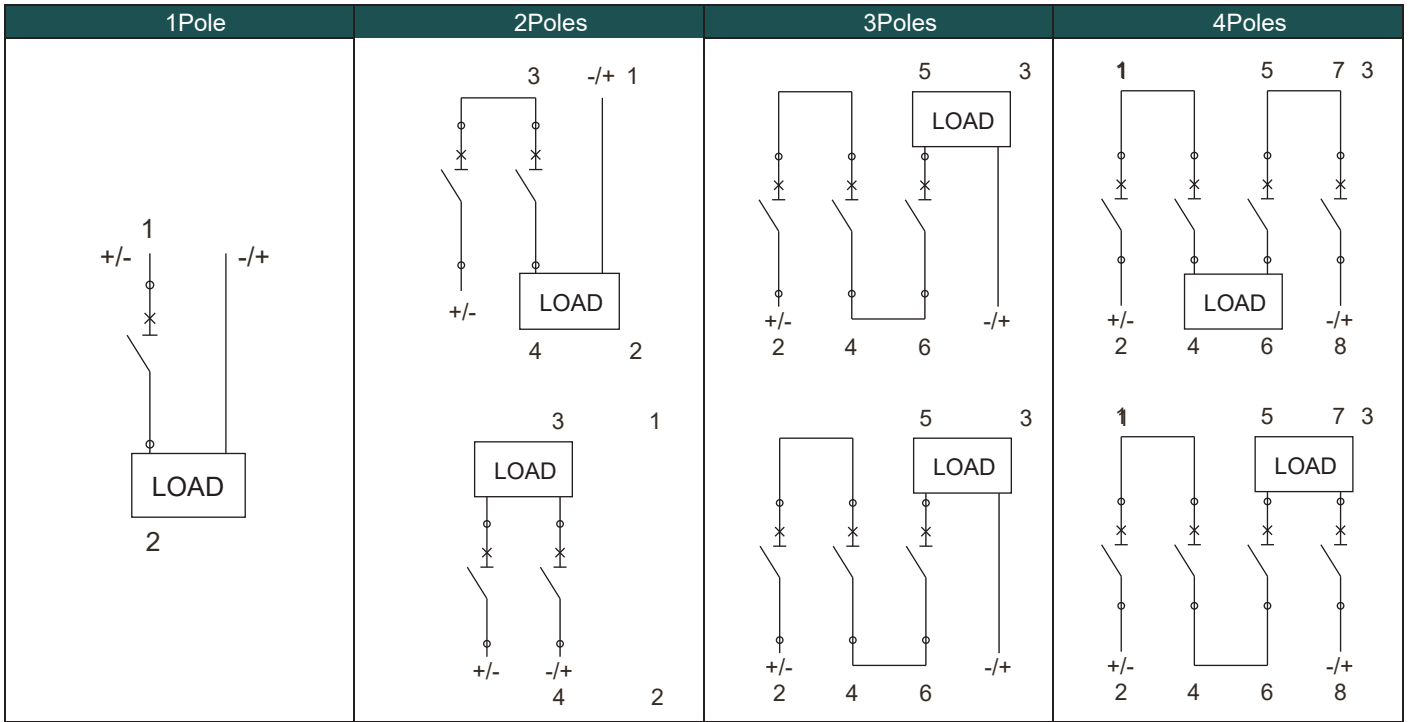
### Characteristic Parameter

Pole	1P	2P	3P	4P
Rated Operational Voltage	250VDC	500 VDC	750 VDC	1000 VDC
Frame Current	63A			
Rated Current	6/10/16/20/25/32/40/50/63A			
Rated Insulation Voltage	500V		1000V	
Rated Impulse Withstand Voltage	6kV			
Tripping Characteristics	B/C			
Tripping Type	Thermal Magnetic			
Rated Ultimate Short-Circuit Breaking Capacity	10kA			
Rated Service Short-Circuit Breaking Capacity	7.5kA			
Electrical Life	4000 Cycles			
Mechanical Life	20000 Cycles			
Overvoltage Category	III			
Pollution Degree	3			
Protection Degree	IP20			
Resistance to Humidity and Heat	Class 2			
Relative Humidity	≤ 95%			
Vibration	IEC 60068-2-6			
Shocks	IEC 60068-2-27			
Terminal Capacity	2.5~50mm <sup>2</sup>			
Fastening Torque of Terminal	2.0~2.5N·m			
Ambient Temperature	-5°C~+40°C			
Storage Temperature	-25°C~+70°C			
Installation Method	DIN			
Altitude	≤ 2000m			
Dimension	Width (1 pole) *Height*Depth: 18*87.5*76mm			
Weight	0.12kg/ Pole			

### Outline dimensional (mm)



### Wiring diagram



### Tripping Curve

