HCB1P-63 PV MCB Specificaions

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:

◇SEMKO

◇RoHS

◇REACH

◇CE/CCC

Features&Benefits:

Overload and the short circuit protection function

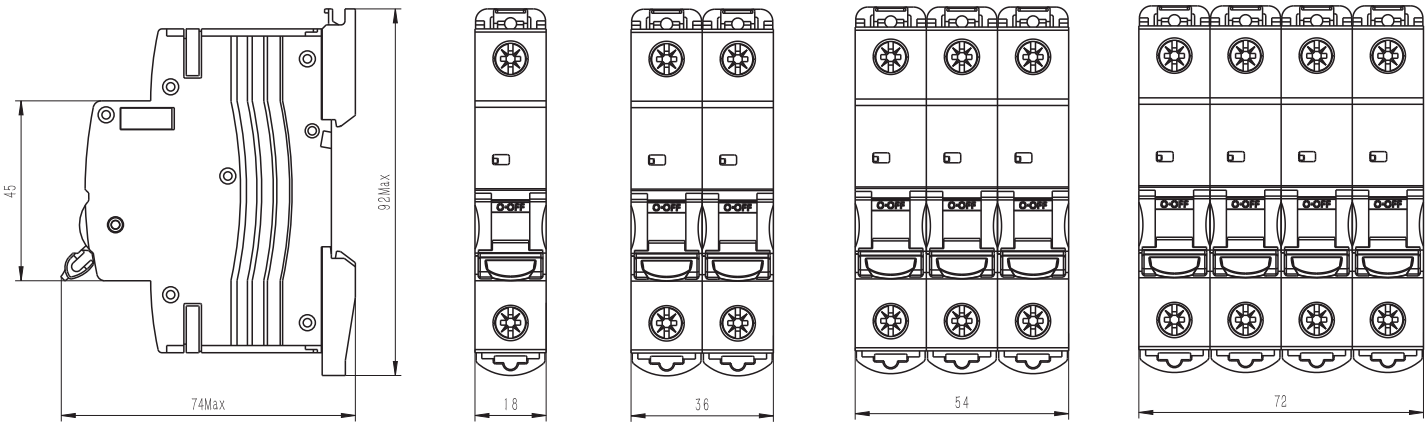
Non-polarity and Polarity both available

Designed for PV, energy storage and other DC applications

Product Model:

	HC	B 1	P	- 6 3	B	20	/ 2
Company Code							
Model：B1 Series MCB							
P: Photovoltaic DC miniature circuit							
Frame Current							
Tripping Curve	B: Type B C: Type C						
Rated Current	6:6A 10: 10A 20: 20A 32: 32A 50: 50A 16: 16A 25: 25A 40: 40A 63: 63A						
Pole	1: 1Pole 2: 2Poles 3: 3Poles 4: 4Poles						

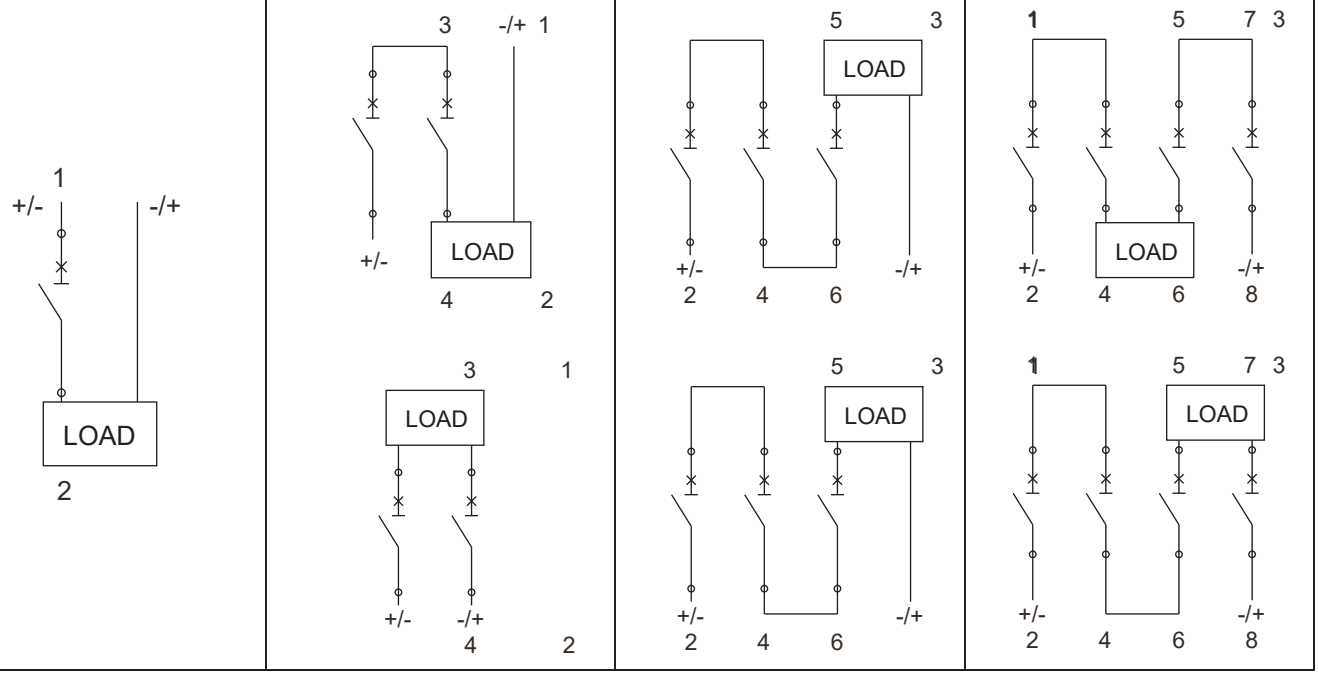
1 Pole ~ 4 Pole (mm)



CHARACTERISTICPARAMETERS				
Pole	1P	2P	3P	4P
Rated Oporational 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			
TrippingType	Thermal Magnetic			
Rated Utimate 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^2			
Fastening Torque of Terminal	2.0~2.5N·m			
Ambient Temperature	-5°C~+40°C			
Storag Temperature	-25°C~+70°C			
Installation Method	DIN			
Altitude	≤ 2000m			
Dimension	Width (1 pole）*Height*Depth: 18*87.5*76mm			
Weight	0.12kg/ Pole			

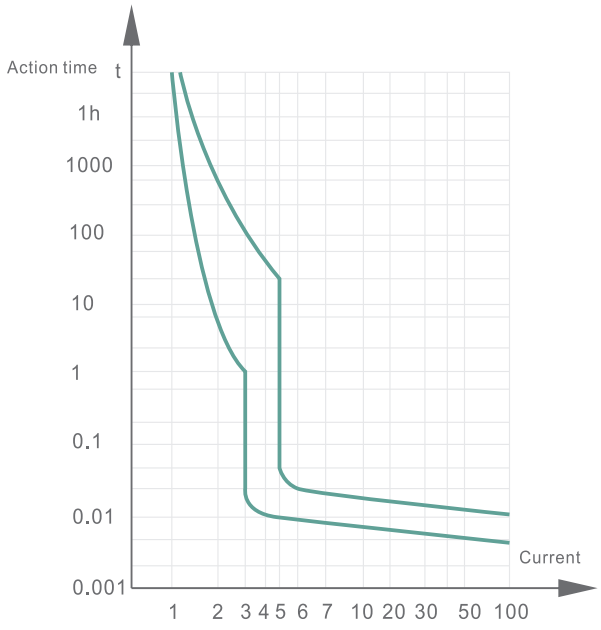
Diagram

1Pole	2Poles	3Poles	4Poles



Tripping Curve

B Curve 4In(1±20%)	C Curve 8In(1±20%)

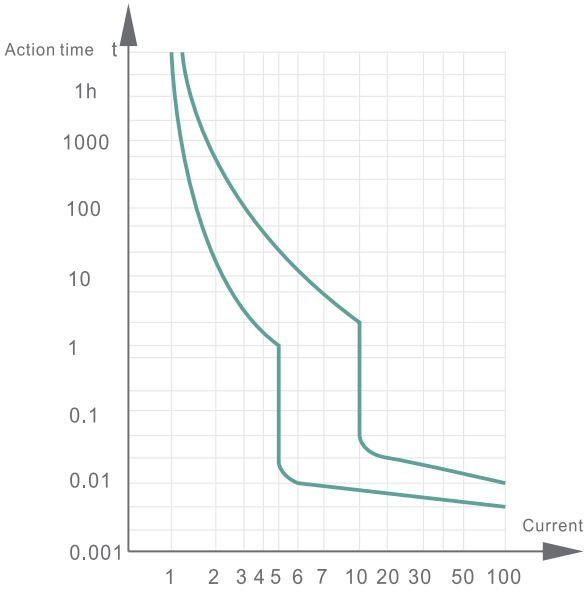


B curve

Suitable for pure resistive load and micro-inductive circuit

Available to rated current of 6A ~ 63A

Instantaneous tripping range: 4In±20%



C curve

Suitable for general load and power distribution circuit

Available to rated current of 6A ~ 63A

Instantaneous tripping range: 8In±20%