

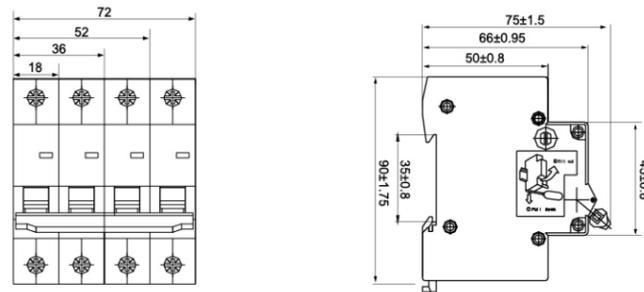
MODEL AND SIGNIFICANCE

S	CB8	-	63A	400	1/2/3/4P	PV
Enterprise code	Design Number		Rated Current	Rated Voltage	Pole	PV system

GENERAL PARAMETERS

- Suitable for protection of electrical installations against [short-current] and Over current
- Specially design for solar inverter output
- Indication window and optional remote-signaling contact helps users to know the status of device
- The current-carrying parts are all made of copper, low temperature rise
- Unique shape and high recognition
- The whole machine can pass the salt spray test within 48 hours

DIMENSIONS (MM)



INSTALLATION PRECAUTIONS

- In a medium without explosion risk and free of gases and dust(including conductive dust) sufficient to corrode metal and destroy insulation
- In the condition with no snow erosion
- It can be installed horizontally and vertically
- The magnetic field of the installation position shall not exceed 5 times the geomagnetic field in any direction
- It should not be installed in flammable and explosive places
- There should be no significant impact and vibration at the installation place

AC MCB

- SCB8-63/230VAC/1P
- SCB8-63/400VAC/2P
- SCB8-63/400VAC/3P
- SCB8-63/400VAC/4P



ELECTRICAL PARAMETERS

Product Model	SCB8-63			
Pole	1P	2P	3P	4P
Rated Operational Voltage/Ue(V)	230/400VAC	400VAC	400VAC	400VAC
Rated Operational Current/In(A)	6,10,16,20,25,32,40,50,63A			
Frequency(Hz)	50/60HZ			
Ultimate Breaking Capacity/Icu(kA)	6kA			
Rated Breaking Capacity/Ics(kA)	6kA			
Max. Impulse Current/Iimp(A)	6kA			
Mechanical Life	20000			
Electrical Life	4000			
Fire-retardant Enclosure Level	V0			
Device Width x Height (mm)	18*79.5*77.5	36*79.5*77.5	54*79.5*77.5	72*79.5*77.5
Method of Mounting	DIN RAIL			
Mounting	Easy installed and fastening onto 35mm device rail(DIN)			
Terminal Capacity	25mm ²			
Fastening Torque of Terminals	3N			
Location	Indoor or in the Water-proof Box			
Ambient Temperature	-5°C To 50°C			
Altitude	≤2000m			
Relative Humidity	90%			
Weight(per pole)	0.12kg			
Pollution Level	2			
Installation Class	II/III			

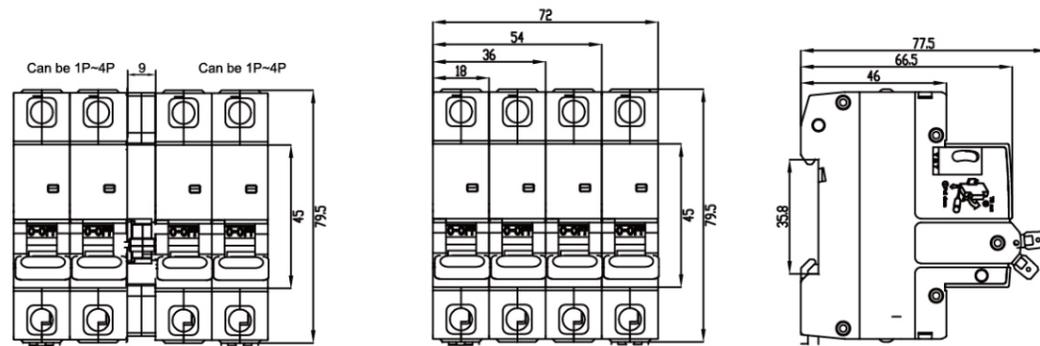
MODEL AND SIGNIFICANCE

SC	B	8	-	63				
Company Code	Product Category	Design Serial Number	Current shell frame	Segment capacity: N(4.5kA) Unexpressed(6kA) H(10kA)	Pole	Rated current :6A, 10A,16A,20A,25A, 32A,40A,50A,63A	MTS: Interlocking accessories	

PRODUCT FEATURES

- The contact indicator window allows for quick identification of the open/close status of the product's internal contacts.
- The flame-retardant housing ensures safer operation
- Current-carrying components are made of pure copper, ensuring low temperature rise.
- Distinctive design with high visual recognition.
- Oversized terminal blocks accommodate 50mm² conductors.
- Advanced arc-extinguishing and current-limiting mechanisms.
- Lift-and-pull terminals provide secure and reliable connections.
- Spring-loaded clamps enable tool-free installation on TH35mm standard rails.

DIMENSIONS (mm)



AC MTS

• SCB8-63MTS



63
64

ELECTRICAL PARAMETERS

Basic specifications and main parameters									
Model	SCB8-63MTS								
Number of poles (P)	1			2、3、4					
Rated current (A)	6、10、16、20、25、32、40、50、63								
Rated voltage(V)	AC230/400				AC400				
Breaking capacity	SCB8-63H 10000A SCB8-63 6000A SCB8-63N 4500A								
Type of disconnecting device	B type, C type, D type								
Rated current and cross-sectional area of connected conductors									
Rated current A	6	10	16	20	25	32	40	50	63
Wire cross-sectional area mm ²	1	1.5	2.5		4	6	10		16
Wiring torque N·m	2.0-2.3 for both power supply side and load side								

MECHANICAL AND ELECTRICAL LIFE

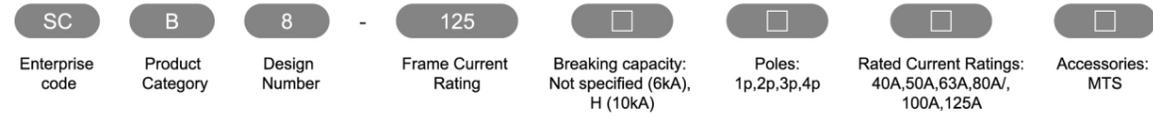
Category	Ordinal number	Frequency of operation (times/hour)	Rated current
Electrical life	4000	120	6A-63A
Mechanical life	20000	240	6A-63A

INSTALLATION PRECAUTIONS

- Temperature between -30℃ and +70℃.
- The relative humidity of the air does not exceed 95% at a temperature of 25℃.
- The height of free fall should not exceed 50mm.
- The product should be held lightly during transport, not inverted, and avoid strong collision.
- During transport, it should not be subjected to strong bumps, vibration, fall, and should be protected from rain and snow.

63
64

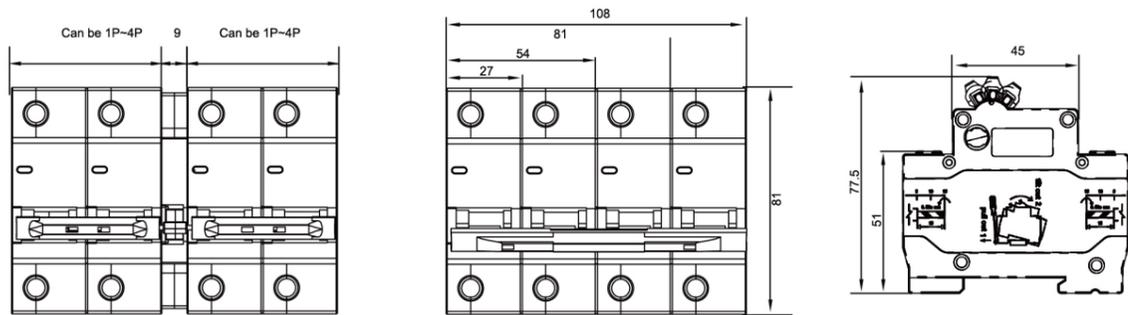
MODEL AND SIGNIFICANCE



PRODUCT INTRODUCTION

- The contact indicator window allows for quick identification of the open/close status of the product's internal contacts.
- The flame-retardant housing ensures safer operation
- Current-carrying components are made of pure copper, ensuring low temperature rise.
- Distinctive design with high visual recognition.
- Oversized terminal blocks accommodate 50mm² conductors.
- Advanced arc-extinguishing and current-limiting mechanisms.
- Lift-and-pull terminals provide secure and reliable connections.
- Spring-loaded clamps enable tool-free installation on TH35mm standard rails.

DIMENSIONS (mm)



AC MCB

● SCB8-125MTS



ELECTRICAL PARAMETERS

Number of poles	1	2	3	3	4
With neutral wire	N			N	
Frequency Hz	50				
Rated voltage Ue(V)	230		400		
Rated current In(A)	40,50,63,80,100,125,				
Overcurrent instantaneous trip type	10In±20%				
Rated short-circuit breaking capacity Icn(A)	SCB8-125 6000 SCB8-125H 10000				

WORKING ENVIRONMENT

- The surrounding air temperature is not higher than +40°C or lower than -5°C, and its average temperature value in 24h does not exceed +35°C;
- The altitude of the installation place does not exceed 2000m;
- The relative humidity of the air at the installation site does not exceed 50% at a maximum temperature of +40°C. Higher relative humidity may be allowed at lower temperatures. For example up to 90% at +20°C. Special measures should be taken for occasional condensation due to temperature changes;
- Environmental pollution class 2;
- Installation class II or III;
- Installation in a place without shock vibration, rain or snow intrusion;
- Protection class IP20