



Zhejiang Westhomes Electric Co., Ltd. was **founded in 1998** and is a **high-tech enterprise** that integrates research and development, production, and sales. The registered capital of the company is **80.621 million RMB**, with a self built factory covering an area of 15 acres and a **building area of 24831 square meters**. The current number of employees is 309.

The main product lines of the company include: **MCB, MCCB**, high and low voltage complete sets of switchgear, intelligent terminal products, intelligent measuring switches commonly used in the market.

All product series of the company have obtained the mandatory **CCC product certification**, with stable performance and reliable quality, and are highly favored by users from all over the country. We are willing to work together with new and old customers to create brilliant new opportunities in the new era!



Westhomes®

INTELLIGENT CONTROL BUILDING THE FUTURE

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Westhomes®



WSB6Z Series

Photovoltaic DC circuit breakers

ZHEJIANG WESTHOMES ELECTRIC CO., LTD

www.westhometelectric.com



WSB6Z Series

Photovoltaic DC circuit breakers



Applicable scope

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WSB6Z-40DC/63DC series photovoltaic DC circuit breakers are designed for DC systems. It is suitable for DC systems with rated currents up to 63A and rated voltages up to 1500V. They provide overload and short-circuit protection and can also be used for infrequent on-off switching of lines under normal circumstances.

The circuit breaker has advantages of beautiful and compact appearance, excellent and reliable performance, high breaking capacity, quick tripping, and is installed using TH35 standard rails. The body shell is made of highly flame-retardant and impact-resistant plastic, making it easy to install, have a long service life.

The product has a position indicator for contact opening and closing. The DC circuit breaker complies with GB/T14048.2 standards and IEC/EN60947-2.

OTHER ANGLE PHOTOS



Left Hand View



Front View



Right side image



Left Hand View



Front View



Right side image



Product Features

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1.Safety Warning

1.The product is forbidden to be installed at environment with flame

and explosive gas, moisture condensation. Wet hand operation is also forbidden;

2. conducting parts of the product are forbidden to be touched when at operation;

3. Performance testing, which fire wire reaching to the grounding device directly or neutral wire short circuit directly, is forbidden;

4. It must cut off the circuit when at installation and maintenance;

5.The protective feature of the product must be set by the manufacturer, while disassembly or adjustment of the circuit breaker is not allowed;

6.The product must be wired and installed by professional person, and checked periodically;

7.Do not install the product at places with gaseous medium to make metal corrosive or destruction of insulation;

8. Installing screw should be highly tightened when at installation and usage to make sure the conductor not easy to loose or pull out. Required power and load must be strictly followed to select the conductor matching.

9.The product can not make functions to personal electric shock or power unbalance.

2.Main usage and applicable range

WSB6Z-40DC/63DC DCcircuit breaker meets standards IEC/EN 60947-2, GB/T 14048. 2, rated current upto 63A, rated voltage upto DC1500V photo voltaic direct current power system, to make overload and short circuit protection, and also for usage of infrequent on-off to the power line at normal situation.

3.Normal usage, installation and delivery, storage condition Conditions of use

1. Operation environment temperature:-35°C~+60°C, average temperature in 24h not over +35°C. The reference temperature of the circuit breaker is30°C,

2. Altitude height: at the installation not higher than 2000m,

3. Pollution level: Grade 2,

4. Installation grage: III,

5. Installation condition: As per every clause of Safety Warning, the DC circuit breaker generally is installed vertically, with no shake, nor shock, nor vibration,

6. Delivery and storage condition: No drop, nor rain, no corrosive gas invasion when DC circuit breaker at storage and delivery.



Technical Parameters

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4.Main technical parameter and performance

S NO.	Technical Parameter	Parameter values	
		WSB6Z-40DC	WSB6Z-63DC
1	Rated voltage	1P DC500V/DC600V 2P DC1000V 3P DC1500V	1P DC300V 2P DC600V 3P DC750V/DC900V 4PDC1000V/DC1200V
2	Pole numbers	1P、2P、3P	1P、2P、3P、4P
3	Current	1A, 2A, 3A, 4A, 5A, 6A, 10A, 16A, 20A, 25A, 32A, 40A	1A, 2A, 3A, 4A, 5A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
4	Shell protection level	IP20	
5	Rated short-circuit capacity	Ics=Icu=6KA	

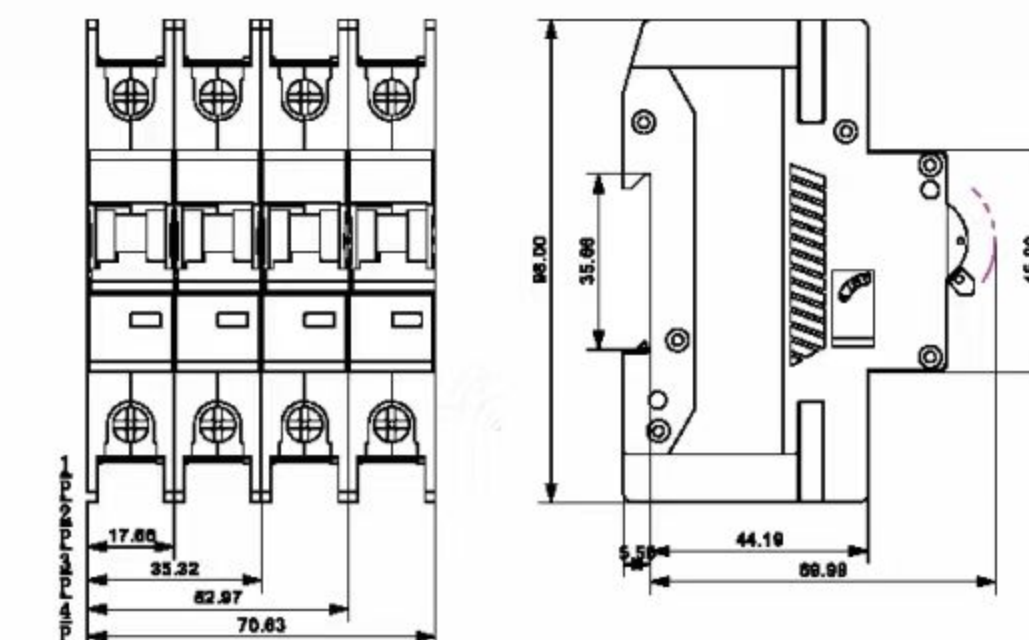
5.Over-current protection characteristic of the circuitbreaker

S No.	Rated current (A)	Initial state	Test current	Regulated time	Expected result
1	$I_n \leq 63$	Cold state	$1.05I_n$	$t \leq 1h$	No trip
	$I_n > 63$			$t \leq 2h$	
2	$I_n \leq 63$	Follow up the last step of tes	$1.30I_n$	$t \leq 1h$	Trip
	$I_n > 63$			$t > 2h$	
3	Instantaneous action characteristic	Cold state	$8I_n$	$t \leq 0.1s$	No trip
			$12I_n$	$t < 0.1s$	Trip

LEADING DOMESTIC

EXPERT IN HIGH AND LOW VOLTAGE ELECTRICAL APPLIANCE MANUFACTURING

6.Outline, installation dimension



WSB6Z-40DC/63DC outline and installation dimension