JLZ-63 Series DC Miniature Circuit Breaker

Maximum Performance for Modern DC Systems

Crafted with cutting-edge technology, the JLZ-63 brings unparalleled performance to your DC systems. Its intuitive design and robust construction make it capable of handling varied electrical demands, maintaining system integrity, and mitigating risks. Ideal for renewable energy sources, transportation systems, or critical installations, this circuit breaker ensures continuous and safe operation without compromising efficiency.

Key Features that Deliver Value

The JLZ-63 series DC miniature circuit breaker offers several noteworthy features:

- Rated current up to 63A and voltage range of 250V to 1000V DC.
- Precision-engineered for overload and short-circuit protection.
- Compact design for seamless integration into electrical panels.
- Durable construction for extended lifespan and reliability.
- Suitable for a variety of applications, including solar power systems, battery storage, and EV infrastructure.

Choose the JLZ-63 DC miniature circuit breaker for superior protection tailored to modern electrical distribution needs. It's engineered to keep your systems running smoothly while prioritizing safety and performance.

This breaker is widely used in power utilities, telecommunications, transportation, industrial, and mining applications. It is engineered to ensure safety and stability in demanding environments and complies with the IEC 60898-2 international standard.

Function

The **JLZ-63 series DC miniature circuit breaker** is designed for use in direct current (DC) systems with a rated current of up to **63A** and a rated voltage range of **250V to 1000V DC**. It provides reliable **overload** and **short-circuits protection** for electrical distribution systems and equipment.

This breaker is widely used in **power utilities**, **telecommunications**, **transportation**, **industrial**, and **mining applications**. It is engineered to ensure safety and stability in demanding environments and complies with the **IEC 60898-2** international standard.

1. Technical Data

Standard		IEC 60898-2			
Number of poles		1P	2P	3P	4P
Rated working voltage (V DC)		250	500	750	1000
Frame level		63A			
Rated current (In) (A)		6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A			
Rated insulation voltage Ui (V DC)		1000/1200			
Tripping characteristics		C			
Tripping type		Thermal-magnetic			
Rated ultimate short-circuit breaking capacity (Icu)		6kV			
Rated service short-circuit interrupting capacity (Ics)		6kV			
Mechanical life (times)	**Actual**	20000 times			
	Standard	9700 times			
Electric life (times)	**Actual**	Average 1000 times			
	Standard	300 times			
Overvoltage category		III			
Pollution degree		2			
Ingress protection		IP20			
Relative humidity		⩽95%			
Vibration		Acc.to IEC60068-2-6			
Shocks		Acc.to IEC60068-2-27			
Terminal capacity		2.5-35mm2			
Fastening torque fo teminals		2.0-2.5N·m			
Ambient temperature		-5°C~+40°C			
Storage temperature		-25°C~+75°C			
Installation method		DIN35mm			
Elevation		⩽2000m			

2. Dimensions