

DC Miniature Circuit Breaker for Solar Applications

This DC miniature circuit breaker provides load isolation and overload/short circuit protection. It is designed for DC applications such as photovoltaics and energy storage, typically placed between batteries and hybrid inverters.



ADDITIONAL IMAGES



Product Overview



High-Performance DC Protection

The MDB2Z-63 series is a high-performance DC Miniature Circuit Breaker specifically engineered for photovoltaic and energy storage systems. Designed to sit between batteries and hybrid inverters, it provides essential load isolation alongside robust overload and short-circuit protection. With its specialized arc extinguishing system, this MCB ensures the rapid disconnection of fault currents to safeguard critical solar infrastructure.

Technical Performance

Key Performance Metrics

800 VDC Max Working Voltage	10 kA Breaking Capacity (Icu/Ics)	6 kV Impulse Withstand (Uimp)
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Standards & Certifications

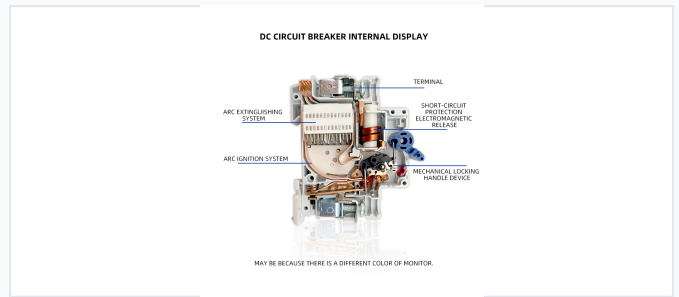
IEC60947-2, GB/T14048.2, CE

Application Guide

Configuration by System Size

Poles	Voltage Rating	Typical Application
1P	250V	Small DC systems
2P	550V - 600V	Single-phase 3kW - 5kW systems
3P	1000V	Single-phase 5kW - 7kW systems
4P	1000V - 1200V	Single-phase 7kW - 25kW systems

Safety Features



Protection Features

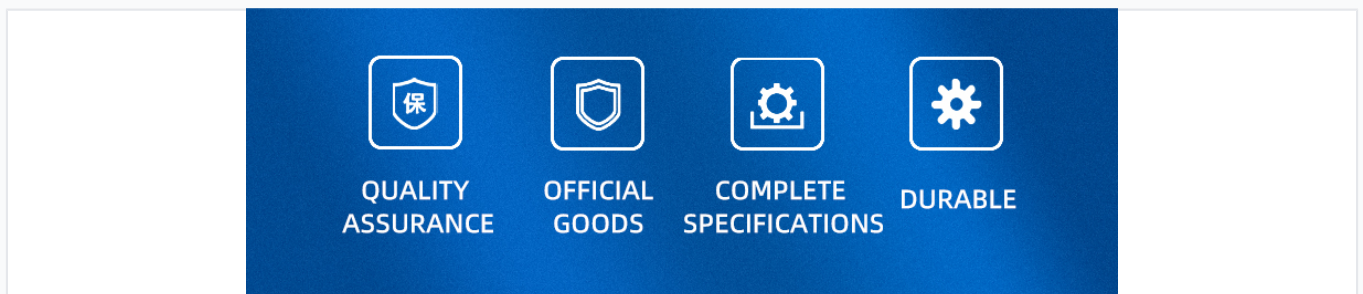
- Load isolation capability
- Overload protection
- Short-circuit protection
- Specialized arc extinguishing system
- Current limiting system
- Mechanical locking handle device

Physical Specifications

Product Dimensions

- Height: 81mm
- Width: 66mm
- Depth: 36mm

Product Quality



Quality Assurance

Quality Assurance • Official Goods • Durable • Complete Specifications