

RESIDUAL CURRENT CIRCUIT BREAKER

RWL18 Series

Residual Current Circuit Breaker

standard: IEC 61008-1



- RWL18-63 Series RCCB (No Overcurrent Protection) applicable to AC 50Hz systems, with rated voltage 240V (2-pole) / 415V (4-pole) and rated current up to 63A. When a human electric shock occurs or grid leakage current exceeds the specified value, the RCCB cuts off the faulty power supply in milliseconds to protect personnel and electrical equipment. It can also be used for infrequent circuit switching.

Rated voltage	AC 230V/AC 400V
Poles	1P+N, 3P+N
Type of residual current	A, AC
Rated residual operating current	30mA, 100mA, 300mA
Degree of protection against electrical shock	ClassII
Rated conditional residual short-circuit current	6kA
Rated current	16A/20A/25A/32A/40A/50A/63A
Standard	IEC 61008-1

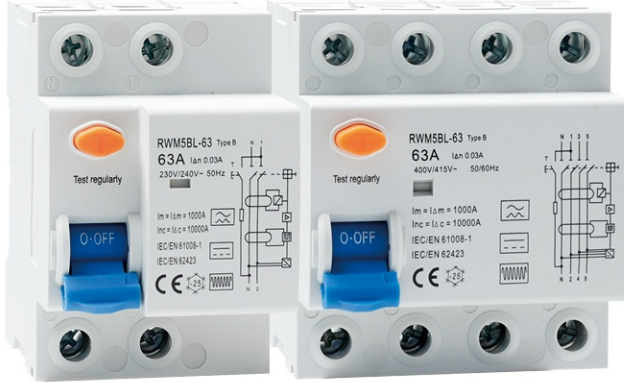
RWM5BL Series

Residual Current Circuit Breaker

standard: IEC 61008-1

- RWM5BL-63 is a circuit breaker featuring a fully upgraded residual current detection function, developed based on Type A residual current circuit breakers (RCCBs). It can not only effectively protect against AC and pulsating DC residual currents (Type A) and potential composite residual currents (Type F), but also smooth DC and high-frequency residual currents (1kHz). In circuits composed of rectifiers, inverters, frequency converters, etc., it can effectively detect and protect against leakage currents generated in DC loops.

Rated voltage	AC 230V/AC 400V
Poles	1P+N, 3P+N
Rated current	16A/25A/32A/40A/63A
Rated residual operating current	30mA, 100mA, 300mA
Degree of protection against electrical shock	ClassII
Rated conditional residual short-circuit current	6kA
Type of residual current	B
Standard	IEC 61008-1, IEC 62423



RWL10 Series

Residual Current Circuit Breaker

standard: IEC 61008-1



- RWL10-63 Series RCCB (No Overcurrent Protection) applicable to AC 50Hz systems with rated voltage 240V (2-pole) / 415V (4-pole) and rated current up to 63A. When a human electric shock occurs or grid leakage current exceeds the specified value, the RCCB cuts off the faulty power supply in milliseconds to protect personnel and electrical equipment. It can also be used for infrequent circuit switching.

Rated voltage	AC230V/AC400V
Poles	1P+N, 3P+N
Type of residual current	A, AC
Rated residual operating current	30mA, 100mA, 300mA
Degree of protection against electrical shock	ClassII
Rated conditional residual short-circuit current	6kA
Rated current	16A/20A/25A/32A/40A/50A/63A
Standard	IEC 61008-1

RWPG Series

Residual Current Circuit Breaker

standard: IEC 60947-2

- RWPG Series RCCBs are available with rated currents from 5A to 60A, in 1P+N or 3P+N pole configurations. Earth leakage protection (300mA, 500mA) is optional. All models comply with IEC 60947-2.

Rated voltage	AC 230V/AC 400V
Poles	1P+N, 3P+N
Rated residual operating current	300mA/500mA
Rated current	5A/10A/15A/20A/30A/45A/50A/60A
Standard	IEC 60947-2



MOULDED CASE CIRCUIT BREAKER

RWM3RT Series

Molded Case Circuit Breaker

standard: IEC 60947-2



- A thermal-magnetic adjustable molded case circuit breaker (MCCB) provides protection against overloads and short circuits. Its thermal element responds to prolonged overcurrents, while the magnetic element trips instantly during short circuits. The adjustable trip settings allow customization of protection levels for different loads, making it suitable for various industrial and commercial applications.

Rated voltage	AC 400V/AC 500V/AC 690V
Poles	3P/4P
Frame current	160/320/400/630/800/1250/1600
Rated current In(A)	10 - 1600A
Type of overcurrent trip device	Thermal-Magnetic
Standard	IEC 60947-2

RWM3DC Series

Molded Case Circuit Breaker

standard: IEC 60947-2

- The RWM3DC series molded case circuit breakers (hereinafter referred to as circuit breakers) are suitable for high-voltage DC systems, with a rated operating voltage of up to 2000V and rated operating currents up to and including 630A in low-voltage power networks. They are used for power distribution and provide protection against overload, short circuit, and undervoltage for circuits and equipment. They can also be used to infrequently connect and disconnect circuits under normal conditions, as well as for infrequent motor starting.

Rated voltage (DC Type)	DC 500V/DC 1000V/DC 1500V/DC 2000V
Poles	2P, 3P
Rated current In(A)	20 - 800A
Frame current	320/ 400/630/800
Standard	IEC 60947-2



PHOTOVOLTAIC FUSE

A photovoltaic (PV) fuse is a protective device specifically designed for solar power systems. It safeguards PV panels, cables, and other components from overcurrent and short circuits—especially in large arrays, where fault currents from parallel strings can be high. PV fuses are rated for high DC voltages and are essential for safe and reliable solar energy installations.

RWPV-32 Series/RWPV-63D Series

Photovoltaic Fuse

standard: IEC 60947-3



Model	RWPV-32
Rated voltage	DC 1000V
Rated current In(A)	32A
Class of operation	gPv
Standard	IEC 60947-3



Model	RWPV-63D
Rated voltage	DC 1500V
Rated current In(A)	63A
Class of operation	gPv
Standard	IEC 60947-3

RWPV-63/125 Series/ RWDPV-32 Series

Photovoltaic Fuse

standard: IEC 60947-3



Model	RWPV-63/125
Rated voltage	DC 1000V
Rated current In(A)	63A/125A
Class of operation	gPv
Standard	IEC 60947-3



Model	RWDPV-32
Rated voltage	DC 1000V
Rated current In(A)	32A
Class of operation	gPv
Standard	IEC 60947-3

RWDPV-63 Series /RWPV-1065D Series

Photovoltaic Fuse

standard: IEC 60947-3



Model	RWDPV-63
Rated voltage	DC 1000V
Rated current In(A)	63A
Class of operation	gPv
Standard	IEC 60947-3



Model	RWPV-1065D
Rated voltage	DC 1500V
Rated current In(A)	32A
Class of operation	gPv
Standard	IEC 60947-3

RWPV-1065 FUSE Series /RWPV-1085/RWPV-1485 FUSE Series

Photovoltaic Fuse

standard: IEC 60269-6



Model	RWPV-1065 FUSE
Rated voltage	DC 1500V
Rated current In(A)	32A
Class of operation	gPv
Fuse Size	10*65mm
Breaking Capacity	20kA
Standard	IEC 60269-6



Model	RWPV-1085/1485 FUSE
Rated voltage	DC 500V
Rated current In(A)	32A/50A
Class of operation	gPv
Fuse Size	10*85mm/14*85mm
Breaking capacity	20kA
Standard	IEC 60269-6

Product Datasheet Catalogue Overview



SELECTION CATALOGUE

Professional Electrical Equipment Supplier



RWQ5A Series



RWM3DC Series



RWGR Series

RWGQ Series



RWPV Series



RWM5BL Series



With industrial leading technology,
We sincerely provide OEM/ODM services
& customization solutions
according to customer needs.

AUTOMATIC TRANSFER SWITCHING EQUIPMENT

RWQ4 Series

Automatic Transfer Switching Equipment standard: IEC 60947-6-1

- Specialized excitation-type design: Available in two-stage and three-stage configurations to match diverse system needs.
- Clapper-type contacts: Deliver high electrical performance. The two-stage model adopts a single-pole double-throw (SPDT) structure, which forms a mechanical interlock—completely preventing simultaneous closing of both circuits (critical for avoiding dual-source short circuits).
- Electromagnetic coil drive: Enables instant switching action with millisecond-level speed, ensuring rapid power transfer and minimal downtime.
- Dual controller options: Combines integrated and split-type controllers to accommodate different application requirements (e.g., integrated for space-saving setups, split-type for flexible installation in distributed systems).



Rated voltage	AC 230V/AC 400V	Rated current In(A)	16 – 3200A
Poles	2P,3P,4P	Frame current	32/125/250/400/630/1250/1600/3200

RWQ5A Series

Automatic Transfer Switching Equipment standard: IEC 60947-6-1



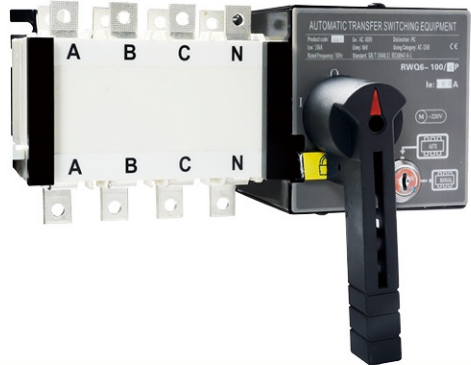
- High-performance actuator elements: Adopts high-quality miniature circuit breakers (MCBs) and isolators, ensuring safe, reliable circuit interruption and isolation.
- Innovative modular integration: Employs a novel modular integrated design concept, achieving industry-leading compactness in product size—ideal for space-constrained installations.
- Dual interlocking protection: Features reliable mechanical and electrical interlocking between actuator switches, preventing unsafe operating states (e.g., dual-source connection, incomplete disconnection).
- Standardized & versatile design: High degree of product standardization with strong versatility. Two-pole, three-pole, and four-pole models share consistent external and mounting dimensions, simplifying user design, selection, and replacement.

Rated voltage	AC 230V/AC 400V	Rated current In(A)	16 – 125A
Poles	2P,3P,4P	Frame current	63/125

RWQ6 Series

Automatic Transfer Switching Equipment standard: IEC 60947-6-1

- Arc-free performance: Features dual-row composite contacts, horizontal pull mechanism, micro-motor pre-energy storage, and microelectronic control—achieving near-zero arcing (no arc extinguisher needed).
- Safety interlocks: Reliable mechanical/electrical interlocks prevent hazardous states (e.g., dual-source simultaneous closure) for safe operation.
- Emergency response: Uses zero-crossing technology for forced zeroing (simultaneous disconnection of both power sources) in emergencies, meeting fire control linkage requirements.
- Integrated design: Mechatronic integration with single-motor-driven switching ensures reliable, smooth, quiet, low-impact operation.
- Operational clarity & security: Equipped with clear on/off indicators, padlock functions, and reliable power-load isolation.
- Versatile operation: Supports 4 modes: emergency manual, remote control, emergency disconnection (automatic control), and automatic control.

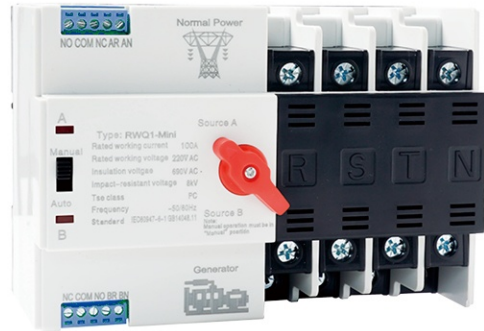


Rated voltage	AC 230V/AC 400V	Rated current In(A)	10 – 3200A
Poles	3P,4P	Frame current	100/250/630/1600/3200

RWQ1-Mini Series

Automatic Transfer Switching Equipment standard: IEC 60947-6-1

- This compact automatic transfer switch is designed for home use, specifically for PZ30 distribution boxes and track-mounted TV installations. It monitors main and standby power sources, automatically switching to backup power during main supply failure to ensure continuous, reliable, and safe power.
- Suitable for 400V, 60A, 50/60Hz emergency power systems, it features a compact design, reliable transfer, easy installation, and long service life. Operation can be automatic (via ATS controller) or manual.
- Complies with IEC 60947-6-1 and IEC 60947-3 standards for low-voltage switchgear and controlgear.



Rated voltage	AC 230V/AC 400V	Rated current In(A)	16 – 100A
Poles	2P,3P,4P	Frame current	100

RWQ2-Mini Series

Automatic Transfer Switching Equipment standard: IEC 60947-6-1



- High-speed switching: Enabled by an excitation-type electromagnet. Default control voltage: AC220V (AC110V optional).
- Simplified installation: Modular design with side wiring. Compact and lightweight (≤0.5kg).
- Advanced arc extinguishing: Arcs are split, stretched, and cooled in the chute via electromagnetic force. Flame-retardant housing and PCB with three-proof coating enhance safety and durability.
- Built-in power sensing: No external control wiring required. Simply connect the main circuit for automatic transfer operation.

Rated voltage	AC 110V/AC 220V/AC 400V	Rated current In(A)	10 – 63A
Poles	2P,4P	Frame current	63

RWQ4Z Series

Automatic Transfer Switching Equipment standard: IEC 60947-6-1

- Electromagnetic drive with electrical & mechanical interlock: Prevents dual-source connection for enhanced safety.
- Self-sufficient control power: Derived from main/standby AC220V sources—no external power supply required.
- Status monitoring & expandability: Built-in status indicators with optional NO/NC auxiliary contacts for flexible integration.
- Smart controller functionality: Includes phase loss protection, undervoltage protection, time delay settings, generator control, fire reset, and RS-485 communication. High noise immunity ensures reliable operation.
- Versatile operation: 3 modes (auto-reset, non-reset, mutual backup) with 3 stable states to suit diverse application needs.
- User-friendly design: Plug-in terminals for simplified wiring; dedicated handle for manual operation when needed.



Rated voltage	AC 400V	Rated current In(A)	16 – 2500A
Poles	2P,3P,4P	Frame current	63/100/160/250/630/2500

OVERVOLTAGE AND UNDERVOLTAGE PROTECTOR

An overvoltage and undervoltage protector safeguards electrical equipment by automatically cutting off power when voltage levels rise above or drop below safe thresholds. It prevents damage caused by voltage fluctuations, surges, or power supply faults, and may automatically restore power once the voltage returns to the normal range.

RWGQ2-VA2 Series / RWGQ2-VA3 Series

Overvoltage And Undervoltage Protector



Rated supply voltage	AC 220V; DC 85–300V
Poles	1P+N
Rated frequency	40/50/60/70Hz
>V setting range	AC 130–300V; DC 130–300V
<V setting range	AC 80–210V;DC 85–210V
Max. operating phase voltage	350V
Max. operating current	40A/63A/80A/100A



Rated supply voltage	AC 220V; DC 85–300V
Poles	1P+N
Rated frequency	40/50/60/70Hz
>V setting range	AC 130–300V; DC 130–300V
<V setting range	AC 80–210V;DC 85–210V
Max. operating phase voltage	350V
Max. operating current	40A/63A/80A/100A

RWGQ2-VA4 Series / RWGQ2-VA5 Series

Overvoltage And Undervoltage Protector



Rated supply voltage	AC 220V; DC 85–300V
Poles	1P+N
Rated frequency	40/50/60/70Hz
>V setting range	AC 130–300V; DC 130–300V
<V setting range	AC 80–210V;DC 85–210V
Max. operating phase voltage	350V
Max. operating current	40A/63A/80A/100A



Rated supply voltage	AC 220V; DC 85–300V
Poles	1P+N
Rated frequency	40/50/60/70Hz
>V setting range	AC 130–300V; DC 130–300V
<V setting range	AC 80–210V;DC 85–210V
Max. operating phase voltage	350V
Max. operating current	40A/63A/80A/100A

RWGQ2-VAK Series / RWGQ2-WIFI Series

Overvoltage And Undervoltage Protector



Rated supply voltage	AC 220V
Poles	1P+N
Rated frequency	50/60Hz
>V setting range	AC 240–300V
<V setting range	AC 140–230V
Max. operating phase voltage	350V
Max. operating current	40A/63A/80A/100A



Rated supply voltage	AC 220V
Poles	1P+N
Rated frequency	50/60Hz
>V setting range	AC 230–300V
<V setting range	AC 110–210V
Max. operating current	63A

RWGQ6-VA6 Series / Multifunction Energy Meter Series

Overvoltage And Undervoltage Protector



Rated supply voltage	AC 220V
Poles	3P+N
Rated frequency	50/60Hz
>V setting range	AC 240–300V
<V setting range	AC 140–230V
Max. operating phase voltage	350V
Max. operating current	40A/63A/80A/100A



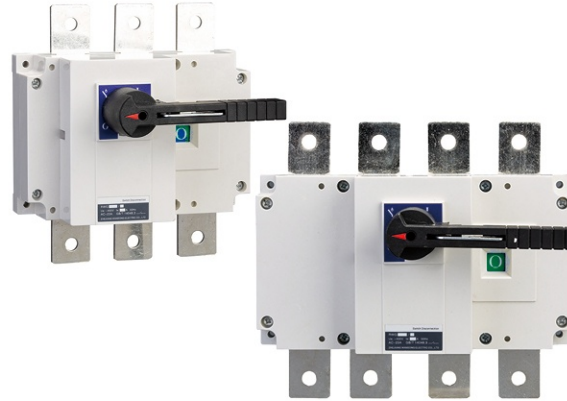
Rated supply voltage	AC 40–300V AC 200–450V
Poles	1P+N
Frequency	45Hz–65Hz
Power factor	0.00–1.00PF
Rated current In(A)	100A
Electric power	45000W
Electric energy	0–99999kwh

DISCONNECTORS & FUSED DISCONNECTORS

RWG Series Disconnecter Switch

Disconnectors & Fused Disconnectors standard: IEC 60947-3

- The switch is equipped with a glass fiber-reinforced unsaturated polyester resin enclosure. Its spring energy storage acceleration mechanism enables quick connection and disconnection. It adopts a parallel double-break structure with two separate contact surfaces; leaf springs ensure contact pressure, and the limit positions of on/off states are determined automatically. The switch is provided with clear on-off indicators to show its on/off status.



Rated voltage	AC 400V / AC 690V
Poles	3P,4P
Frame current	63/100/160/250/630/1600/3150
Rated current In(A)	6 – 3150A
Standard	IEC 60947-3

RWGR Series Disconnecter Switch With Fuse

Disconnectors & Fused Disconnectors standard: IEC 60947-3



- The switch-disconnector features a modular structure. It has an outer shell made of glass-fiber-reinforced unsaturated polyester resin, and a spring-energy-storage and bevel-gear-driven acceleration mechanism enabling quick connection and disconnection. The fuse link is connected in series in a four-break, multi-angular head structure, which automatically determines the limit positions of on and off states and provides a clear indication of the contact status.

Rated voltage	AC 400V/AC 690V
Poles	3P,4P
Frame current	160/250/400/630/1250
Rated current In(A)	63 – 1250A
Standard	IEC 60947-3



Walax WhatsApp

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