Environmentally friendly material

Craftsmanship

Diamond quality

POWER DISTRIBUTION SOLUTION PROVIDER

Zhejiang Zhegui Electric Co., Ltd.
Zhejiang Zhegui Imp & Exp Co., Ltd.

Add: No.316 Wei 11 Road Economic Devlopment District,
Yueqing City, Wenzhou City, Zhejiang Province, China
Web: www.giant-electric.com
Email: service@giantele.com
Tel./WA:+86 13353325100

WhatsApp

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PRODUCT SELECTION GUIDE

Reliable Protection Solutions



www.giant-electric.com

GTW1

Intelligent Air Circuit Breaker Series

Intelligent air circuit breaker (hereinafter referred to as circuit breaker) is suitable for AC 50Hz, rated working voltage up to AC690V, rated working current up to 6300A and below in distribution networks, used to distribute electrical energy and protect circuits and power supply equipment from hazards caused by overload, undervoltage, short circuit, single-phase grounding and other faults; the circuit breaker has intelligent protection functions with precise selective protection, which can improve power supply reliability and avoid unnecessary power outages.



GTVS1/GTZN19-12GD

Indoor High Voltage Circuit Breaker Series

Indoor high voltage vacuum circuit breaker is a three-phase AC 50Hz indoor switching device with a rated voltage of 12KV in power systems, serving as protection and control units for power grid equipment and industrial and mining enterprise power equipment. It is suitable for frequent operations under rated working current or occasions requiring multiple breaking of short-circuit currents. The circuit breaker adopts an integrated design of operating mechanism and circuit breaker body, which can be used as a fixed installation unit or equipped with a special advancing mechanism to form a withdrawable unit.



GTCPS

Control and Protective Switching Device Series

Control and protective switching devices (CPS) (hereinafter referred to as 'switches') are mainly used in AC 50Hz (60Hz) circuits with rated working voltage up to 690V, rated working current from 1A to 125A, and controller setting current from 0.4A to 125A, capable of making, carrying and breaking currents under normal conditions (including specified overload conditions), and also making, carrying for a certain time and breaking currents under specified abnormal conditions (such as short circuits). The switch adopts a modular integrated structure, integrating the main functions of circuit breakers, contactors, overload relays, starters, isolators and other products. The switch offers basic type, fire protection type, leakage type, communication type and other different forms for user selection.



GTM3HU/GTM3DC

AC/DC High Voltage Molded Case Circuit Breaker

GTM3HU series AC molded case circuit breakers have rated working voltages up to AC1140V and currents up to 800A, with breaking capacity up to 50kA at AC800V voltage, reliably achieving system short-circuit protection. GTM3DC series DC molded case circuit breakers have rated working voltages up to DC1500V and currents up to 800A, with breaking capacity up to 20kA at DC1500V voltage, reliably achieving system short-circuit protection.



GTM1

Molded Case Circuit Breaker Series

Molded case circuit breaker series with rated insulation voltage up to 800V, suitable for AC 50Hz/60Hz, rated working voltage 400V, in distribution network circuits with rated working current from 10A to 1600A, used to distribute electrical energy and protect circuits and power supply equipment from damage caused by overload, short circuit, undervoltage and other faults. It can also be used as infrequent starting and protection against overload, short circuit, and undervoltage for motors. The circuit breaker features compact size, high breaking capacity, and short arc distance.



GTM6EL

Residual Current Operated Circuit Breaker (Distributed PV Protection Switch)

Our company's photovoltaic grid-connected dedicated circuit breaker series is suitable for AC 50Hz circuits with rated current up to 800A, mainly used with photovoltaic systems. It can solve the automatic closing under voltage detection and automatic opening under voltage loss, effectively addressing islanding effects while providing overload and short circuit protection for power supply lines. The product is applied in distributed photovoltaic power generation grid-connected systems, communication base stations, satellite ground receiving stations, microwave transmission stations, electric vehicle charging piles, outdoor integrated cabinets, comprehensive access, special equipment cabinets, public security city surveillance projects, security checkpoints, intelligent transportation, smart cities and other unattended equipment. Suitable for three-phase four-wire neutral point grounded power supply systems, providing protection against ground faults, overcurrent, short circuit, phase loss and overvoltage for lines or electrical equipment. The product complies with IEC/EN 60947-2 standards.



GTM3EL

Residual Current Circuit Breaker (Electronic Type)

This model controller is suitable for three-phase four-wire system auxiliary power supply environments. Its rated insulation voltage is 800V, suitable for AC 50Hz, rated working voltage 400V, in circuits with rated current up to 1250A for infrequent conversion and infrequent motor starting. The circuit breaker has overvoltage protection, undervoltage protection, phase loss protection, overload long-time inverse time, short-circuit short-time inverse time, short-circuit short-time definite time, short-circuit instantaneous and undervoltage protection functions, leakage trip protection function, protecting circuits and power supply equipment from damage.



GTM3E

Electronic LCD Molded Case Circuit Breaker (Measuring Switch)

Suitable for TT low-voltage power grid systems with directly grounded neutral point in three-phase four-wire system, used to protect circuits or electrical equipment from ground fault, overcurrent, short circuit, overvoltage, undervoltage, automatic tripping due to power failure and phase loss. Displays three-phase voltage, three-phase current, three-phase active power, three-phase total power, three-phase power factor, three-phase total power factor respectively. Features data acquisition and transmission of voltage, current, electric energy, power, etc., with current accuracy less than 0.5 class, voltage accuracy less than 0.5 class, active power accuracy less than 1 class, reactive power measurement accuracy less than 2 class. Additionally, this product features RS485 communication interface, DL/T 645 protocol, enabling reading of voltage and current parameters and remote control of switching on/off. Through DL/T 645 communication function, the product can achieve rapid and accurate positioning, providing favorable reference data for electricity allocation in the entire power grid operation.



GTM3E

Electronic Molded Case Circuit Breaker Series

Electronic molded case circuit breaker is one of the new circuit breakers developed and manufactured by our factory using internationally advanced design and manufacturing technology. Its rated insulation voltage is 800V, suitable for AC 50Hz, rated working voltage 400V, in circuits with rated working current up to 800A for infrequent conversion and infrequent motor starting. The circuit breaker has overload long-time inverse time, short-circuit short-time inverse time, short-circuit short-time definite time, short-circuit instantaneous and undervoltage protection functions, protecting circuits and power supply equipment from damage. The circuit breaker can be installed vertically (upright) or horizontally (flat).



GTM1L

Molded Case Residual Current Circuit Breaker Series

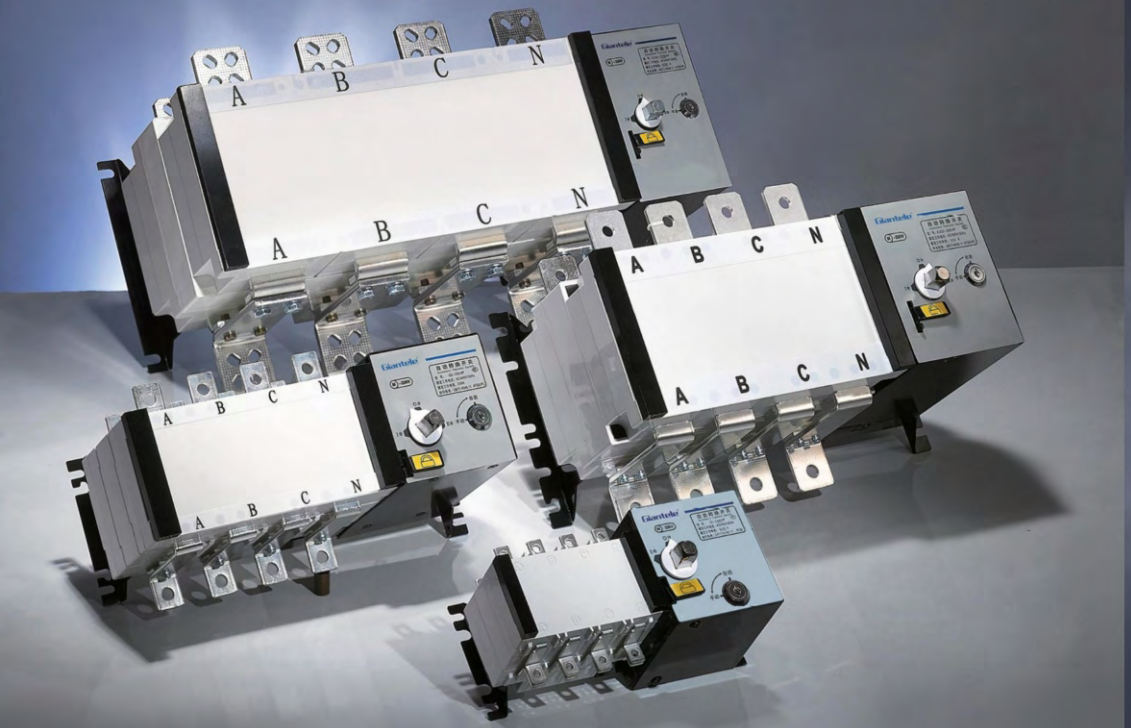
Molded case residual current circuit breaker (hereinafter referred to as residual current operated circuit breaker) is suitable for AC 50Hz, rated voltage up to 400V, in circuits with rated current from 16A to 800A. Its main function is to provide indirect contact protection against fatal electric shock to personnel. Residual current operated circuit breakers with rated residual operating current not exceeding 30mA can also serve as supplementary protection for direct contact when other protective measures fail, but cannot be used as the sole direct contact protection. Meanwhile, it can also be used to prevent electrical fires caused by contact fault currents. It can also be used to protect circuits from overload and short circuit, and as infrequent switching of circuits.



GTQ5 (Gear & Motor Type)

Automatic Transfer Switch Series

Isolated automatic transfer switch is suitable for AC 50Hz, AC rated voltage 400V, rated current up to 3200A, three-phase four-wire power supply systems. It can realize automatic and manual switching between utility power and backup power sources, interrupting power supply to loads during power source switching process. Suitable for applications requiring dual power supply and high power quality requirements, but must not be used for direct starting of single motors.



GTQ5 (Synchronous Motor Type)

Automatic Transfer Switch Series

Isolated automatic transfer switch is suitable for AC 50Hz, AC rated voltage 400V, rated current up to 3200A, three-phase four-wire power supply systems. It can realize automatic and manual switching between utility power and backup power sources, interrupting power supply to loads during power source switching process. Suitable for applications requiring dual power supply and high power quality requirements, but must not be used for direct starting of single motors.



GTQ1/GTQ3

Automatic Transfer Switch Series

Automatic transfer switch equipment is suitable for three-phase four-wire dual power supply power grids with AC frequency 50Hz, rated working voltage AC400V, rated working current up to 800A, automatically transferring one or several load circuits from one power source to another to ensure normal power supply to load circuits. This product is suitable for relatively important places such as industry, commerce, high-rise buildings and civilian residences.



GTGL

Isolator Switch Series

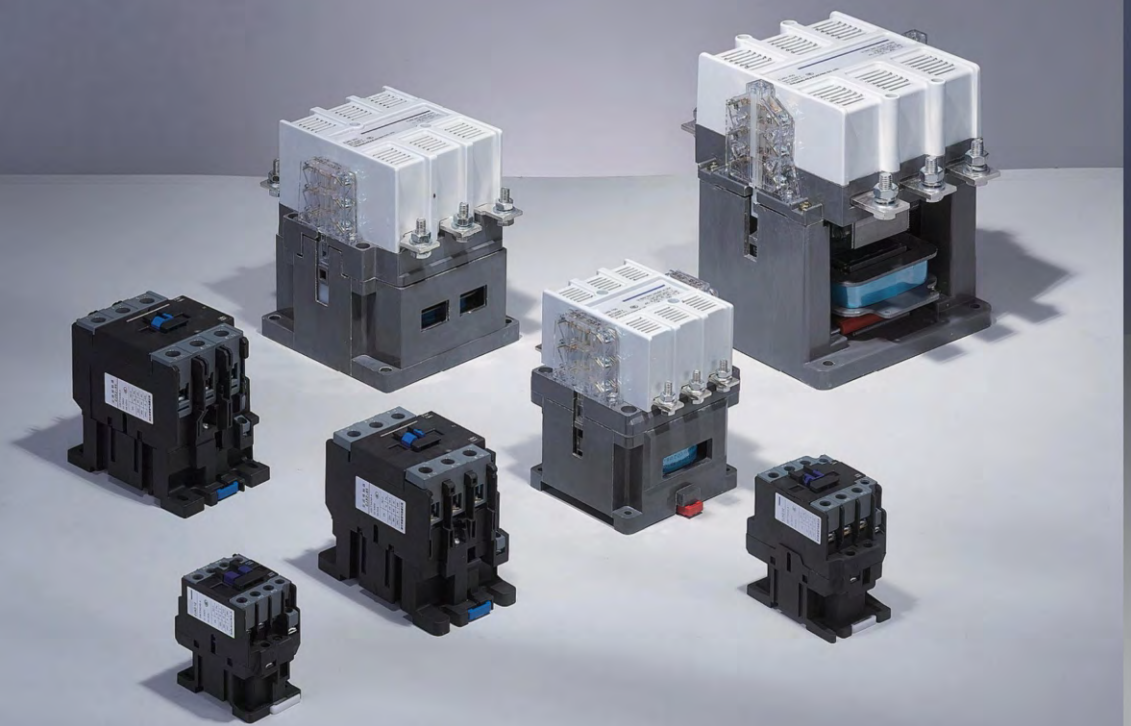
Isolator switch is suitable for AC 50Hz, AC rated voltage 690V and below, rated current up to 3150A. In industrial enterprise power distribution equipment, it can be used for infrequent manual connection and disconnection of circuits and isolation of power supply, where 125A~630A can be used for frequent connection and disconnection. This series of switches must not be used for direct starting of single motors.



CJX2/CJ20/CJ40

AC Contactor Series

AC contactor (hereinafter referred to as contactor) is mainly used for AC 50Hz (or 60Hz), rated working voltage up to 690V, for remote connection and disconnection of circuits, frequent starting and control of AC motors, and can be combined with appropriate thermal relays to form electromagnetic starters to protect circuits that may experience operational overload.



CJ19

Capacitor Switching Contactor Series

CJ19 series capacitor switching contactor (hereinafter referred to as contactor) is mainly used in AC 50Hz (or 60Hz), power lines with rated working voltage up to 690V, for switching low-voltage shunt capacitors in low-voltage reactive power compensation equipment. The contactor is equipped with surge suppression devices, effectively reducing the impact of closing surges on capacitors and suppressing overvoltage during switching off.



DZ47/DZ47LE

Miniature Residual Current Circuit Breaker Series

Miniature circuit breaker provides overload and short circuit protection for circuits. Miniature residual current circuit breaker is mainly suitable for AC 50Hz, rated voltage up to 400V, rated current up to 125A in commercial office buildings, residential buildings and general industrial applications in terminal distribution circuits, providing overload, short circuit protection and residual current protection for circuits, and can also be used for infrequent switching operations on circuits under normal conditions.



GTDY

Surge Protector / Backup Protector Series

Surge protector / backup protector series is suitable for AC 50Hz, rated voltage 230V/400V in three-phase power distribution and control systems, used to suppress transient overvoltage below the equipment's withstand impulse overvoltage, discharge surge energy, thereby protecting system circuits and equipment. Suitable for graded coordination with other series of surge protectors to achieve a layered protection system, providing more extensive and effective protection for low-voltage power distribution systems.

