

For the content contained in this manual, Gandian Lightning Protection has the final right to interpret. For more detailed information, please inquire; our company's technical engineers will serve you wholeheartedly. Because of the continuous innovation of product technology, please refer to the actual product or the manual; Subject to change without notice.

Use environmentally friendly materials



GA&DA



VA protector

Solutions Catalogue

GANDIAN LIGHTNING PROTECTION ELECTRI CO.LTD.

Headquarters address: No. 329, Gangcheng Avenue, Economic and Technological Development Zone, Jiujiang City, Jiangxi Province, China.

Zhejiang Base address: Building 6, Yanlinwan, Liushi Town, Wenzhou, Zhejiang, China

Tel: 0792-8883456

Fax: 0792-8883456

Tel: +86-13375772211 / +86-15979993994

Web: www.gandian-International.com

www.gadaspd.com

www.cngdfl.com

Email: info@cngdfl.com / kenneth@cngdfl.com

www.gandian-International.com

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Better life, better electricity

不辜负每一份电力，让电尽其所能

GANDIAN LANGYONG

有品质才有市场，有改进才有进步，有创新才有发展

坚守专业与责任，做行业的领跑者

*Stick to professionalism and responsibility
and be the leader of the industry*



公司简介 COMPANY PROFILE

Gandian Lightning Protection Electric Co., Ltd. is a modern high-tech enterprise dedicated to the design, research and development, production, sales and service of lightning safety protection equipment. The company is located in the economic and technological development zone of Jiujiang City, the only international trade port city in Jiangxi Province. The total plant construction area is 39,960 square meters, the factory covers an area of 29,970.16 square meters, and there are more than 200 employees.

Through continuous reform and innovation, the company develops its own brand, showing a new look of internationalization, modernization and informationization. Break through high-end industries with focus, upgrade traditional industries with automation, actively build automated electrical equipment bases, gather a team of highly skilled experts, strengthen the simultaneous development of advanced equipment industry and modern service industry, have a variety of fully functional product performance testing laboratories, 8/20us 150kA compatible with 10/350us 25kA simulated lightning laboratory, 10/350us 120kA simulated lightning laboratory, 1.2/50us combined wave generator, 1.2/50us voltage generator, gap, discharge tube detector, thermal stability test system, lightning online monitoring system, intelligent lightning protection detection system, SPD backup protector power frequency current test, lightning non-trip current test system and a series of advanced detection equipment, to ensure the stability and innovation of our products!

Independently develop a number of advanced production and processing automatic assembly lines, which integrate automatic glue filling, automatic soldering, automatic laminating, pad printing, laser marking, automatic detection and uploading of data, automatic sealing and packaging and other automatic equipment to ensure each product consistency, fully guarantee efficient production and high-quality management, with unified planning of logistics, production, life and other service facilities, and strive to build a first-class intelligent production industrial base with international competitiveness.

The company took the lead in passing ISO9001 quality system certification, ISO14001 environmental management system certification, OHSAS18001 occupational health and safety management system, COC certification, European Community CE certification, TUV Rheinland certification, CB certification, Rohs certification, and established a system from software and hardware. A strict quality management system can meet the various needs of new and old customers with the fastest speed, the best products, and the best services; sales points are set up throughout the country, and the sales scope radiates to all provinces in China, Southeast Asia, South America, and Europe, Africa and many other places, the service scope is all over the country, and the high-quality products and good service have won the favor of the majority of customers.

The main products are power surge protector series, smart lightning protection series, smart surge protector series, smart lightning protection box series, signal lightning protection series, fuses, circuit breakers, photovoltaic connectors, transfer switches, photovoltaic cables, etc. The products are mainly used in the construction of urban and rural power grids, urban infrastructure construction, factory construction stages, major domestic and foreign oil fields, petrochemical companies, shipbuilding industry, offshore oil drilling platforms, military power construction, photovoltaic power generation, wind power generation, coal, petroleum, chemical, industrial and mining, hospitals, airports and other fields.

The company adheres to the corporate culture of "integrity first, happiness in the world, sharing and win-win", adheres to the spirit of "pragmatism, hard work, and dedication", and has the dream of "revitalizing national industry and assuming social morality". With the principle of trust, persist in realizing the new situation of "sustainable development, cooperative innovation", with the attitude of "professional, dedicated, rigorous, and eager to learn", always practice the glorious mission of "based on Rael Dunwei and build a world brand together".

Staff living area

The staff living area has 4360 square meters, 42 single rooms, 28 suites, supporting internal canteen, fitness area, outdoor activity area

Stamping and injection molding area

The stamping and injection molding area has 6800 square meters, 30 injection molding machines, 7 45T stamping machines, 5 35T stamping machines, 8 25 stamping machines, and the remaining 18 stamping machines of each tonnage

Comprehensive production area

The comprehensive production area has 8,100 square meters, dozens of production lines for various products, a simulation laboratory for lightning strikes, and various lightning protection products test instruments, etc.



Laboratory And Testing



Lab 1



Lab 2



Lab 3



R&D Center No. 1



R&D Center No. 2



Glow Wire Tester



SPD thermal stability test system



Programmable salt spray test machine



Simulated lightning test platform



Programmable constant temperature and humidity test chamber



1.2/50μs voltage wave generator

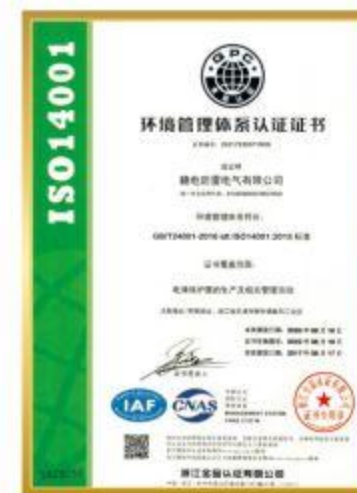


Coupling and decoupling online cabinet



1.2/50μs combined wave generator

Certificate And International Patents



ISO14001



ISO9001



OHSAS18001



CB



CQC



RoHS



TUV-CE



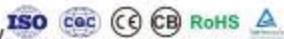
TUV



CE

GDV1 Voltage Protector(Single display)

● The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay.



GDV1-2



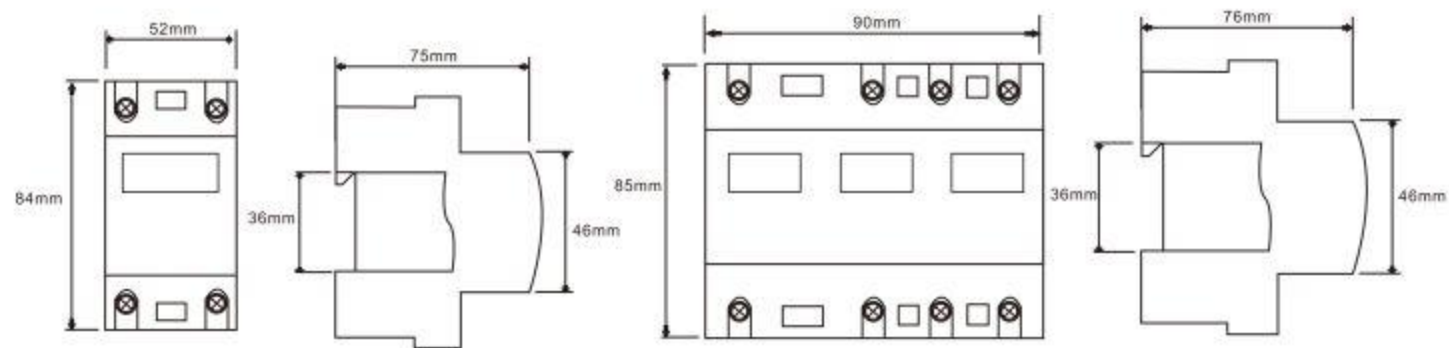
GDV1-4

- Overvoltage protection
- Flame retardant material,
- Automatic reset

The main technical parameters

Type	GDV1-2	GDV1-4
Number of Poles	Single Phase	Three Phase
Rated Voltage (VAC)	220	380
Rated Working Current(A)	40/63A/80A	63/80/100A
Over-Voltage Cut-Off Value (VAC)	230-270 adjustable (400V short time)	390-450 adjustable
Time Delay (s)	0.01	0.01
Under-Voltage Cut-Off Value (VAC)	120-210 adjustable	210-360 adjustable
Time Delay (s)	0.1	0.1
Recovery Setting Time Range (s)	10-600	10-600
Self Power Consumption(W)	≤3	≤3
Ambient Temperature (°C)	-20~+40°C	

Size



Type	GDV1-2/40A	GDV1-2/63A	GDV1-2/80A	GDV1-2/63A	GDV1-2/80A	GDV1-2/100A
Order Code	271001	271002	271003	271004	271005	271006

GDV2 Voltage Protector(dual display)

● The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay.



GDV2-2



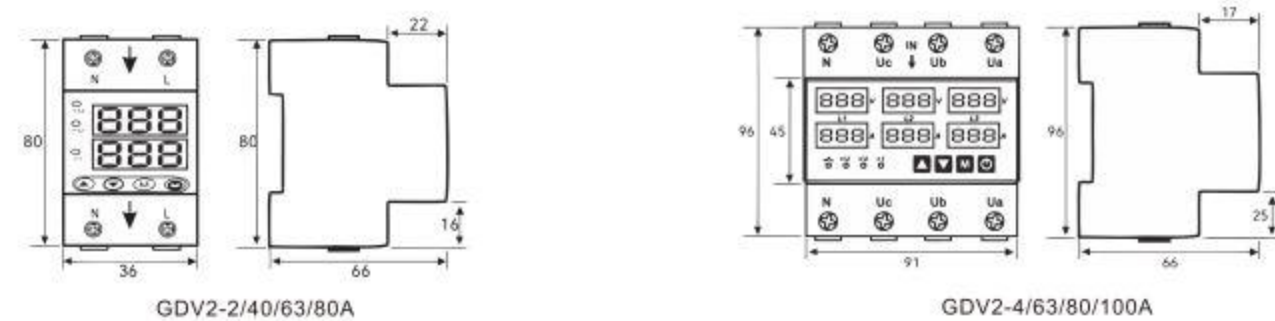
GDV2-4

- Overvoltage and overcurrent protection
- Flame retardant material,
- Automatic reset

The main technical parameters

Type	GDV2-2	GDV2-4
Rated Working Voltage	220V	220V/380V
Operation Voltage Range	AC80V-400V(Single Phase)	AC140V-500V(Three Phase)
Rated Frequency	50/60Hz	
Rated Working Current	40A/63A/80A	63/80/100A
Over-voltage Protection Value	AC230V-AC300V	AC390V-AC500V
Under-voltage Protection Value	AC140V-AC210V	AC140V-AC370V
Voltage Power Off Time	1-400s	
Over current Protection Value	1-40A/1-63A	1-63A
Over current Power Off Time	1-30s	1-30s
Recover time (Starting Delay Time)	1-400s/1-30s	1-400s
Own Power Consumption	≤1.5W	
Motor Mechanical Life	≥100,000 Times	
Relative Humidity	45-90%RH	
Temperature	40°C	
Altitude	≤2000M	

Size



Type	GDV2-2/40A	GDV2-2/63A	GDV2-2/80A	GDV2-4/63A	GDV2-4/80A	GDV2-4/100A
Order Code	271007	271008	271009	271010	271011	271012

GDV3 Voltage Protector

The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay.



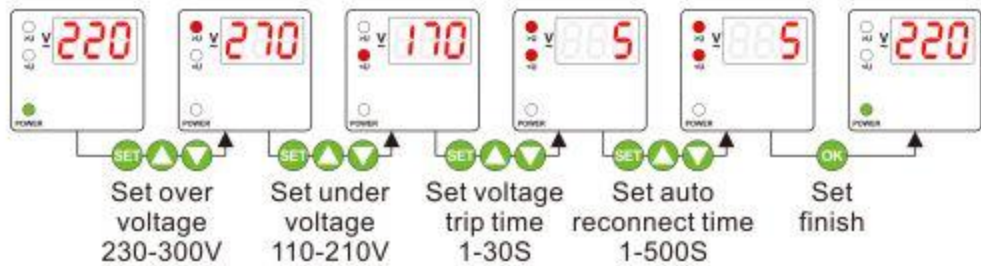
GDV3-2

- Overvoltage protection
- Flame retardant material,
- Automatic reset

The main technical parameters

Type	GDV3-2
Number of Poles	2P(54mm)
Rated Voltage (VAC)	110/220V,220/230/240V AC
Rated Working Current(A)	40/63A/80A
Over-Voltage Cut-Off Value (VAC)	230-300V adjustable
Under-Voltage Cut-Off Value (VAC)	110-210V adjustable
Recovery Setting Time Range (s)	1-500S
Self Power Consumption(W)	≤2W
Ambient Temperature (°C)	-20~+40°C
Installation	35mm symmetrical DIN rail
Connections	Cables or pin
Functions	Over voltage,Under voltage,Time delay,Auto reconnect

Parameter settings

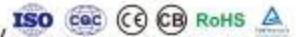


Order Code

Type	GDV3-2/40A	GDV3-2/80A	GDV3-2/80A
Order Code	271013	271014	271015

GDVA3 Voltage and Current Protector

The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay.



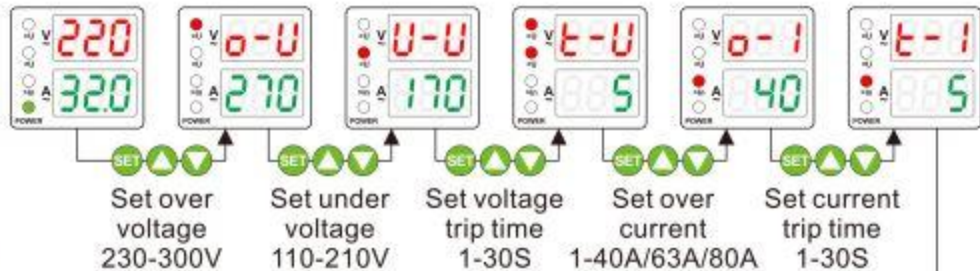
GDVA3-2

- Overvoltage and overcurrent protection
- Flame retardant material,
- Automatic reset

The main technical parameters

Type	GDVA3-2
Rated Working Voltage	110/220V,220/230/240V AC
Rated Working Current	40A/63A/80A
Over-voltage Protection Value	230-300V adjustable
Under-voltage Protection Value	110-210V adjustable
Voltage Power Off Time	1-500s
Over current Protection Value	1-40A/1-63A/1-80A
Over current Power Off Time	1-30s
Recover time (Starting Delay Time)	1-500s
Own Power Consumption	≤2W
Motor Mechanical Life	≥100,000 Times
Installation	35mm symmetrical DIN rail
Connections	Cables or pin
Functions	Over voltage,Under voltage,Over current,Time delay,Auto reconnect

Parameter settings



Order Code

Type	GDVA3-2/40A
Order Code	271016
Type	GDVA3-2/63A
Order Code	271017
Type	GDVA3-2/80A
Order Code	271018

- Restore factory settings
- Long press to enter switch mode



GDV4 Voltage Protector

The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay.



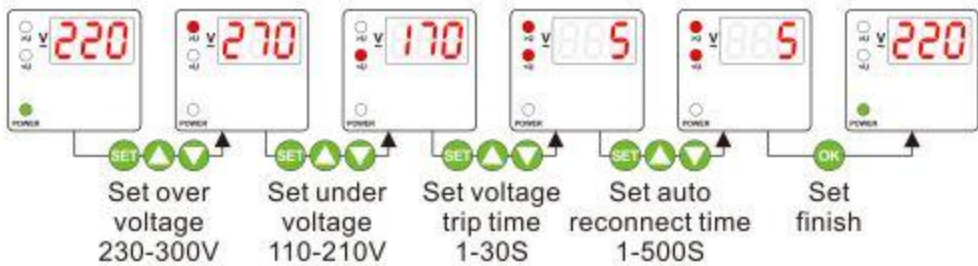
GDV4-2

- Overvoltage protection
- Flame retardant material,
- Automatic reset

The main technical parameters

Type	GDV4-2
Number of Poles	2P(36mm)
Rated Voltage (VAC)	110/220V,220/230/240V AC
Rated Working Current(A)	40/63A/80A
Over-Voltage Cut-Off Value (VAC)	230-300V adjustable
Under-Voltage Cut-Off Value (VAC)	110-210V adjustable
Recovery Setting Time Range (s)	1-500S
Self Power Consumption(W)	≤2W
Ambient Temperature (°C)	-20~+40°C
Installation	35mm symmetrical DIN rail
Connections	Cables or pin/fock type busbar
Functions	Over voltage,Under voltage,Time delay,Auto reconnect

Parameter settings

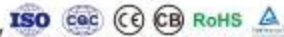


Order Code

Type	GDV4-2/40A	GDV4-2/80A	GDV4-2/80A
Order Code	271019	271020	271021

GDVA4 Voltage and Current Protector

The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay.



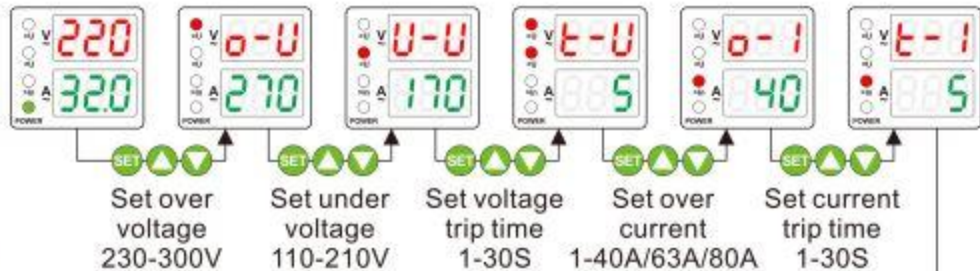
GDVA4-2

- Overvoltage and overcurrent protection
- Flame retardant material,
- Automatic reset

The main technical parameters

Type	GDVA4-2
Rated Working Voltage	110/220V,220/230/240V AC
Rated Working Current	40A/63A/80A
Over-voltage Protection Value	230-300V adjustable
Under-voltage Protection Value	110-210V adjustable
Voltage Power Off Time	1-500s
Over current Protection Value	1-40A/1-63A/1-80A
Over current Power Off Time	1-30s
Recover time (Starting Delay Time)	1-500s
Own Power Consumption	≤2W
Motor Mechanical Life	≥100,000 Times
Installation	35mm symmetrical DIN rail
Connections	Cables or pin/fock type busbar
Functions	Over voltage,Under voltage,Over current,Time delay,Auto reconnect

Parameter settings



Order Code

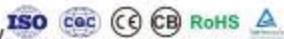
Type	GDVA4-2/40A
Order Code	271022
Type	GDVA4-2/63A
Order Code	271023
Type	GDVA4-2/80A
Order Code	271024

- Restore factory settings
- Long press to enter switch mode



GDV5/GDVA5 Auto-reconnect Adjustable Voltage(Current) Protector

The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay.



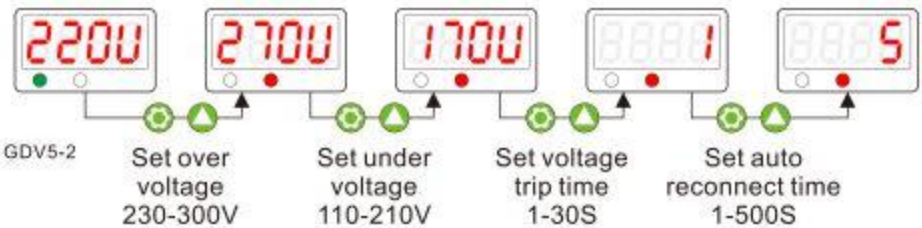
The main technical parameters

Type	GDV5-2	GDVA5-2
Rated Voltage (VAC)	110/220V,220/230/240V AC	
Rated Working Current(A)	40/63A/80A	
Over-Voltage Cut-Off Value (VAC)	230-300V adjustable	
Under-Voltage Cut-Off Value (VAC)	110-210V adjustable	
Recovery Setting Time Range (s)	1-500S	
Over current Protection Value	/	1-40A/1-63A/1-80A
Over current Power Off Time	/	1-30s
Self Power Consumption(W)	≤2W	
Ambient Temperature (°C)	-20~+40°C	
Installation	35mm symmetrical DIN rail	
Connections	Cables or pin/fork type busbar	
Functions	Over voltage,Under voltage, Time delay,Auto reconnect	Over voltage,Under voltage,Over current,Time delay,Auto reconnect

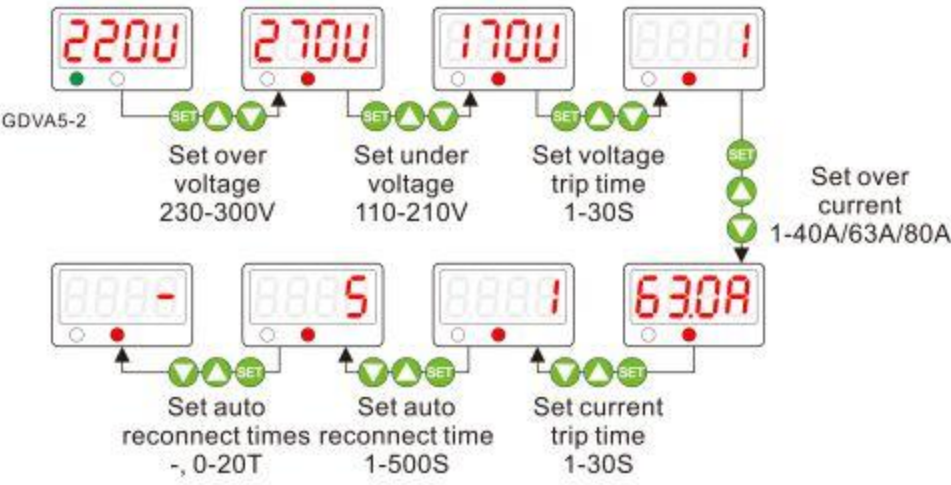
Order Code

Type	GDV5-2/40A	GDV5-2/63A	GDV5-2/80A	GDVA5-2/40A	GDVA5-2/63A	GDVA5-2/80A
Order Code	271025	271026	271027	271028	271029	271030

Parameter settings

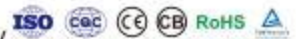


Long press to restore factory settings



GDV6-3/1 Voltage protection changeover switch

The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay.



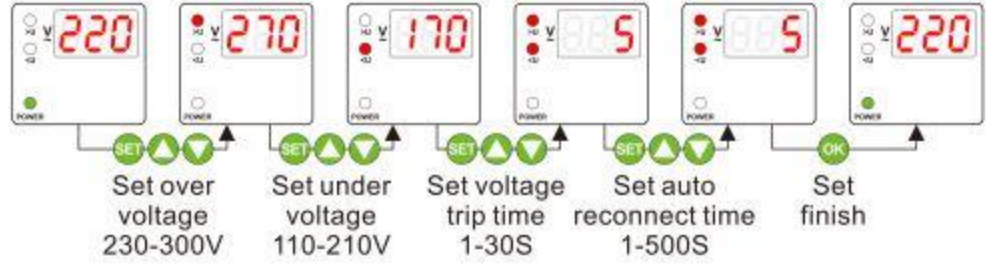
GDV6-3/1

- Overvoltage protection
- changeover switch
- Automatic reset

The main technical parameters

Type	GDV6-3/1
Rated Working Voltage	380/400/415V AC
Rated Working Current	1-63A
Over-voltage Protection Value	220-300V(Default 270V)
Under-voltage Protection Value	110-210V(Default 170V)
Auto-reclosing delay(Ton)	1-600S(Default 5S)
Return to priority phase(Tr)	5-200S(Default OFF)
Switch to reserve phase(Tc)	0-200S(Default 0)
Voltage hysteresis	5V
insulation voltage	400V
Motor Mechanical Life	≥100,000 Times
Installation	35mm symmetrical DIN rail
Connections	Cables
Functions	Supplying an single phase 220V load from different power supply in order to maintain uninterrupted power supply of essential single load and protect it against unallowable the variations of voltage or current in the mains.

Parameter settings



Order Code

Type	GDV6-3/1 63A
Order Code	271031