



# GUANGYUAN - Electric

30 years anniversary  
Professional Manufacturer





We do everything well conscientiously

# About Us

Wenzhou Guangyuan Electric Co. Ltd. is a professional manufacturer of low-voltage electrical appliances, located in Liushi, Wenzhou- the capital of low-voltage electrical appliances in China, specializing in MCB, RCCB & MCCB.

Our company has passed ISO9001:2008 Quality Management System Certification. And the products have obtained certifications like VDE, SEMKO, CE, CB, KEMA, NF and been exported to Germany, France, UK, USA, Malaysia, Singapore, Argentina, Mexico, South Africa and Mid-east region etc.

Equipped with modern production lines and high-quality controlling equipments, our company has ability to design and develop new products independently, ranging from mould making, spare parts making (including injection mould and hardware making), assembling to testing, a whole line of technological process.

To further explore the global markets and actively challenge the cutthroat competition, we are eager to seek the agent for our products over the world and also hope more large enterprises contact us to establishing the relations of cooperation by OEM.



# Certificate

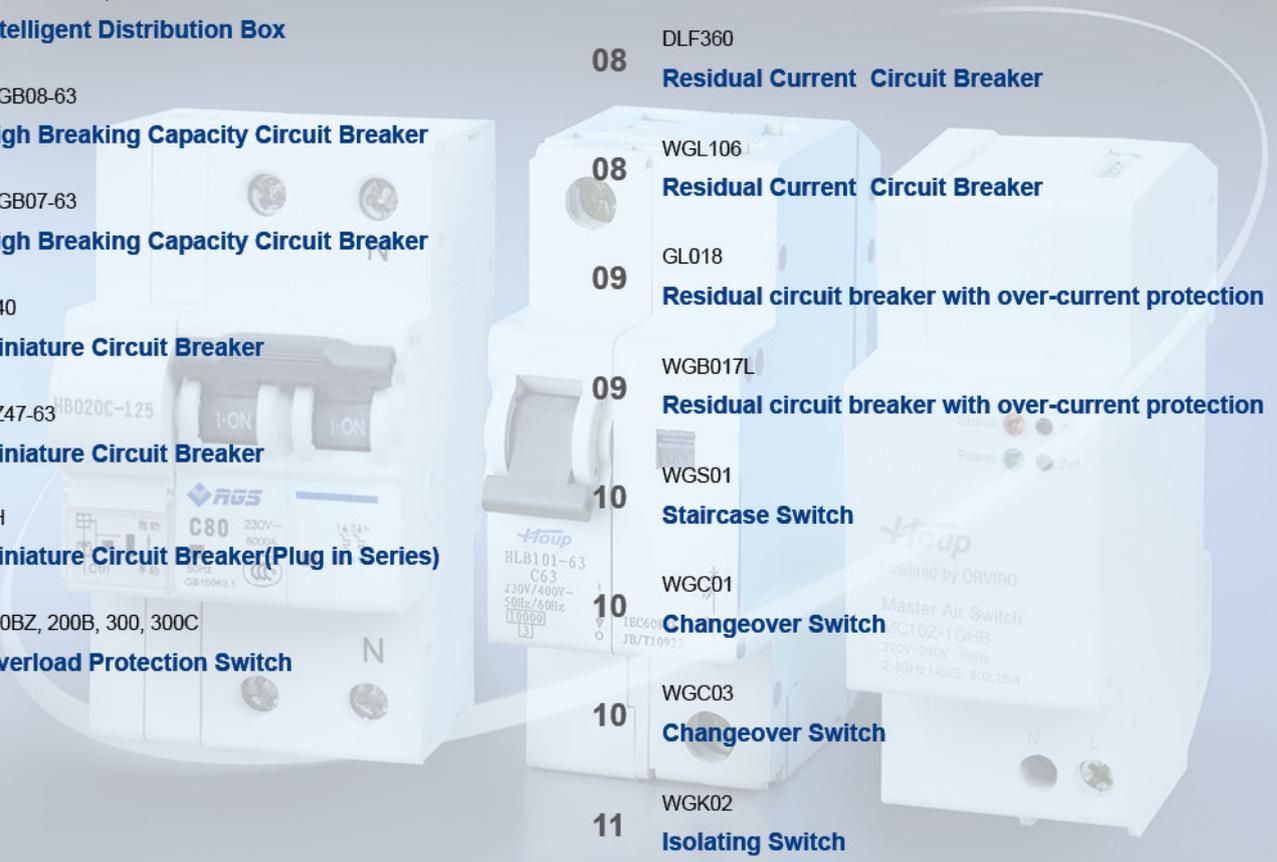
Stangard management system and systematic quality guarantee system manke Guangyuan developing without any hindrance in the world.





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# HB020C-125 Automatic-Reclosing Miniature Circuit Breaker



HB020C-125 1P+N



HB020C-125 3P+N

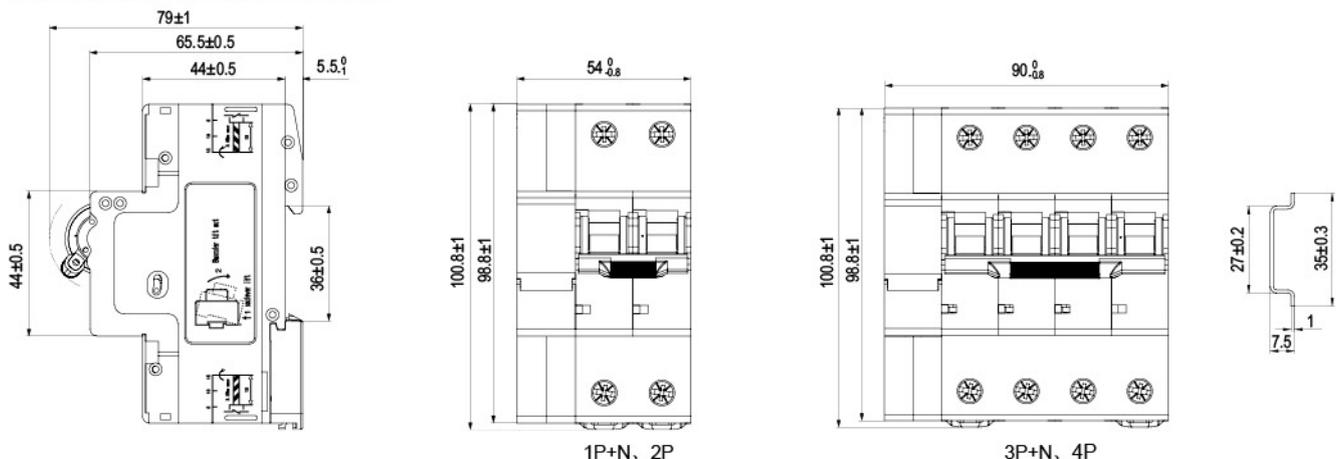
### Application

Automatic-reclosing Miniature Circuit Breaker is applicable for lines of AC 50HZ, rated operating voltage up to 400V and rated current up to 125A. This product is used for conducting remote breaking to the circuits with automatic closing/opening control, with the function of protecting the lines from overload or short circuit. And also can be used as infrequent changeover of circuits. This item is widely used for controlling the making and breaking of circuit with IC card prepayment watt-hour meter meters, and is suitable for workplaces like where the devices need remote control, where is inaccessible or unattended, where timely maintenance is not available, and where power supply continuity is high-required. This product meets the standards:GB10963.1 and IEC60898-1.and also suitable to: STATE GRID «Technical Specification of External Circuit-breaker for Watt-hour Meters Q/GDW 11421-2015» and CSG «Technical Specification of External Circuit-breaker for Watt-hour Meters in Low-voltage» .

### Technical Specification

Type	HB020C-125
Rated Current In	25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
Pole Number	1P+N, 2P, 3P+N, 4P
Automatic Closing Time	≤ 3S
Rated voltage Ue	230V/400V
Tripping Type	B,C,D
Rated short-circuit capacity(Icn)	10000A
Rated service short-circuit capacity(Ics)	7500A
Stand-by Power Consumption	Control Line Power <1mA, Phase Line Leakage Power <0.2mA
Rated impulse withstand voltage(Uimp)	6KV
Dielectric Strength	2500VAC, 1min
On-time Delay	4s ≤ td ≤ 5s
Operation Time	Mechanical :10000 times, Electrical 6000 times
Action Time(not included delay time )	Opening ≤ 0.3s, Closing ≤ 0.5s
Protocol	PLC

### Configuration and Mounting Dimensions



# HB101-63, HB102-40 Multifunction Miniature Circuit Breaker(Wired / Wireless)



## Application

HB101-63(HB102-40) is suitable in the circuit of AC50/60HZ, rated voltage to 230V, and rated current up to 63A(40A), high breaking capacity-10KA, for protecting household appliance in buildings against overload, and short-circuit, also over & under-voltage, connected by WiFi, GPRS, GPS, ZigBEE, KNX, and RS-485 wiring interface to operate ON/OFF.

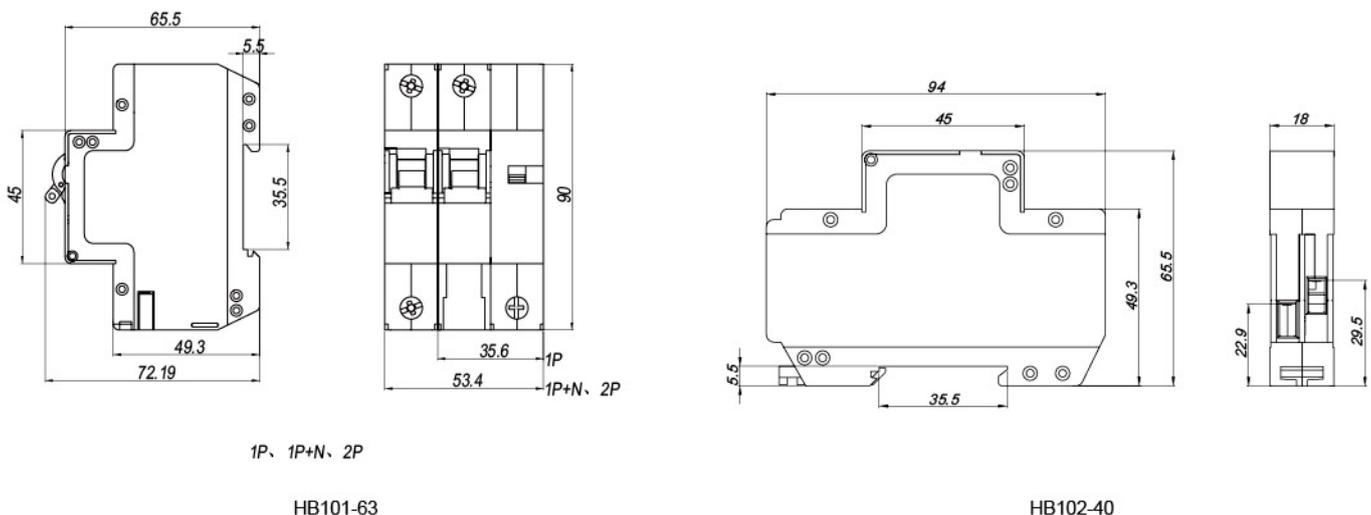
Once the voltage exceeds the limited range of products-over or under voltage, it will automatically trip to cut off the circuit. When the voltage returns to normal, power of product will resupply. After the situation for the voltage “over or under voltage-normal” recycles 4 times in 3 minutes, the protector will be locked automatically. When the voltage returns to normal, manual intervention is necessary for closing of circuit.

With the advantages of remote monitoring, remote measuring and remote lock/unlock, its data will be uploaded to the cloud and remote analysis.

## Technical Specification

Type	HB101-63/RS/ZG/ZV/B	HB102-40/RS/ZG/ZV/B
Rated Voltage	230V	230V
Rated Current	10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	< 40A
Breaking Capacity	10KA	
Stand-by Power Consumption	< 0.35W	< 0.35W
Measuring Precision	2%	2%
Technical Standard	IEC60898, IEC60947-2, JB/T10923, Q/HL1410	JB/T10923, Q/HL1401

## Configuration and Mounting Dimensions



# MC10Z-1GHB, MT10N-1GHB Intelligent Distribution Box



### Application

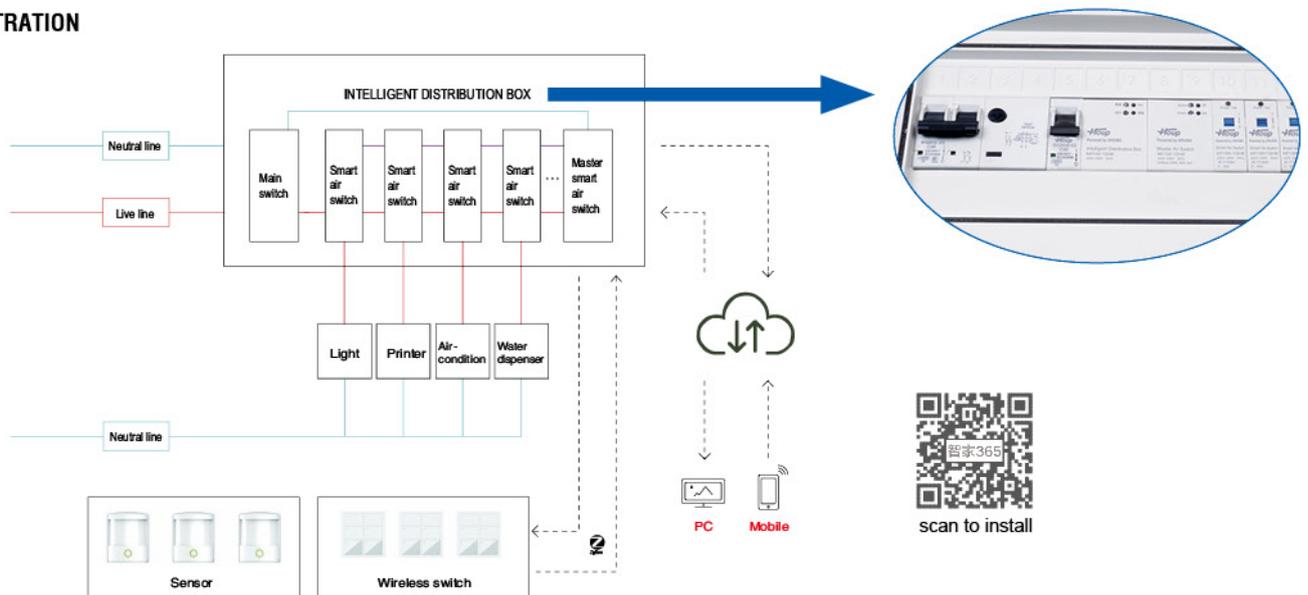
Intelligent distribution power box is new-design invention including residual current circuit breaker, smart hub, master smart air switch and smart air switch, which is based on all functions of circuit breaker and also featured with advanced technologies in The Internet of Things. This new product digitizes your circuit to be more energy efficient, shares your electricity information and also visualized your power management.

Connected with Smart Hub by WIFI/RJ45 cable interface, this product is suitable for the normal distribution box. Users can get all electricity power information from the APP (mobile phone, tablet, etc.) all the time uploaded by the smart air switch featured with remote control, consumption measurement, fire warning, energy-saving management, push notification of the abnormal happened in your circuit. It is integrated other smart home system.

### Technical Specification

Type	MC10Z-1GHB	MT10N-1GHB
Rated Voltage	AC 220-240V/50HZ	AC 264V/50HZ
Rated Current	5mA	5mA
Communication Interface	CAN Fieldbus(60mm)	CAN Fieldbus(90mm)
Communication Protocol	ZigBee, IEEE 802.15.4	ZigBee, IEEE 802.15.4
Operating Temperature	-5~40℃	-5~40℃
Operating Humidity	30-85%	30-85%
Control Distance	>30m	<200cm

### ILLUSTRATION



## WGB08-63 High Breaking Capacity Circuit Breaker



WGB08-63 1P

WGB08-63 2P

WGB08-63 3P

WGB08-63 4P

## WGB07-63 High Breaking Capacity Circuit Breaker



WGB07-63 1P

WGB07-63 2P

WGB07-63 3P

WGB07-63 4P

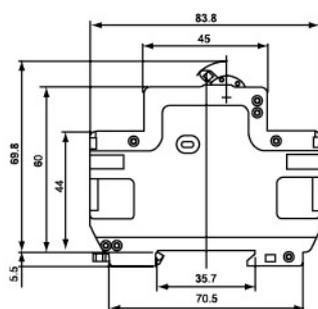
### Application

WGB08/WGB07 is the series of high breaking capacity circuit breaker(MCB), which is suitable for illumination and distribution in industry and flats. With the advantages of pleasing outlook, light in weight, reliable performance, high breaking capacity, and easy installation, it has the protection of overload and short circuit in electric motor distribution system. It can be combined with other functional accessories to effect multi-function protection and control such as leakage protection, under voltage protection, over voltage protection, auxiliary switch control and isolation control. It is CB, VDE, KEMA approved.

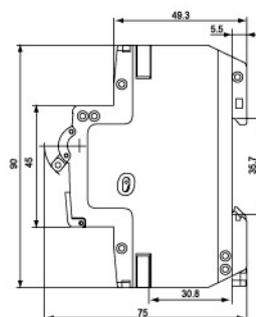
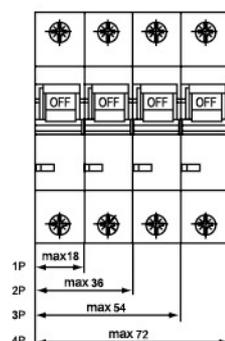
### Technical Specification

Type	WGB08-63	WGB07-63
Poles	1P, 2P, 3P, 4P, 1P+N, 3P+N	1P, 2P, 3P, 4P, 1P+N, 3P+N
Rated voltage(Un)	230V/400V	230V/400V
Rated current(In)	6, 10, 16, 20, 25, 32, 40, 50, 63A	2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63A
Characteristic curve	IEC60898 B.C.D	IEC60898 B.C.D
Rated short-circuit capacity(Icn)	10000A for 6-40A; 6000A for 50-63A	6000A
Rated service short-circuit capacity(Ics)	7500A for 6-40A; 6000A for 50-63A	6000A
Terminal protection	IP 20	IP 20

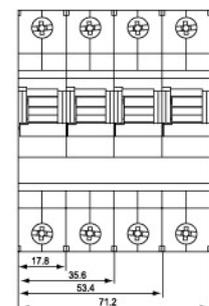
### Configuration and Mounting Dimensions



WGB08-63



WGB07-63



# M40 Miniature Circuit Breaker



M40 1P

M40 2P

M40 3P

M40 4P

# DZ47-63 Miniature Circuit Breaker



DZ47-63 1P

DZ47-63 2P

DZ47-63 3P

DZ47-63 4P

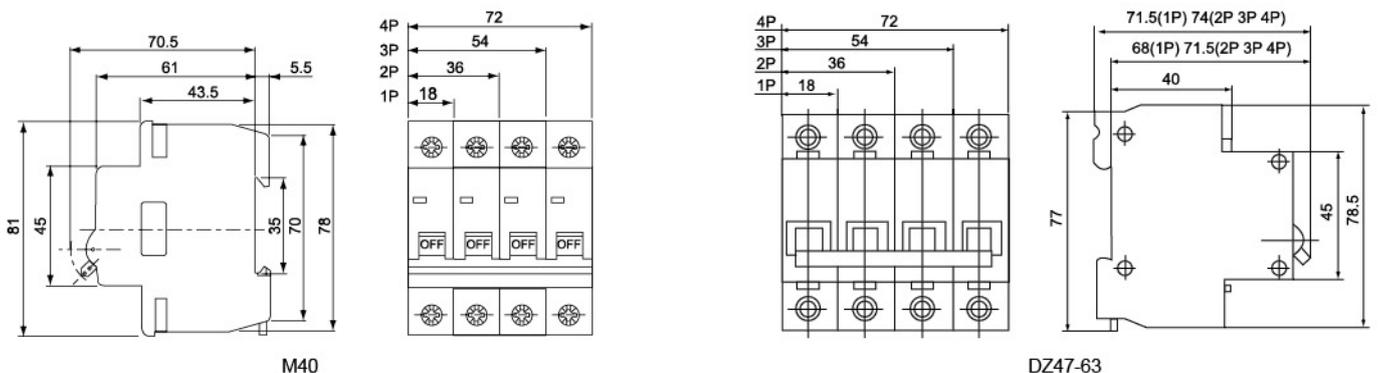
### Application

M40/DZ47 series miniature circuit breaker (MCB) is applicable to a line of AC 50Hz/60Hz, 230V in single pole, 400V in double, three, four poles for protecting overload and short circuit, and rated current up to 63A as well as for infrequent on-and-off switching electric equipment in normal case. It is SEMKO, IRAM & CB approved.

### Technical Specification

Type	M40	DZ47
Poles	1P, 2P, 3P, 4P	1P, 2P, 3P, 4P
Rated voltage(Un)	230V/400V	230V/400V
Rated current(In)	2, 4, 6, 10, 16, 20, 35, 32, 40, 50, 63A	2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63A
Characteristic curve	IEC60898 B C D	IEC60898 B C D
Rated short-circuit capacity(Icn)	4.5KA	3kA
Terminal protection	IP 20	IP 20

### Configuration and Mounting Dimensions



M40

DZ47-63

# BH Miniature Circuit Breaker(Plug in Series)



### Application

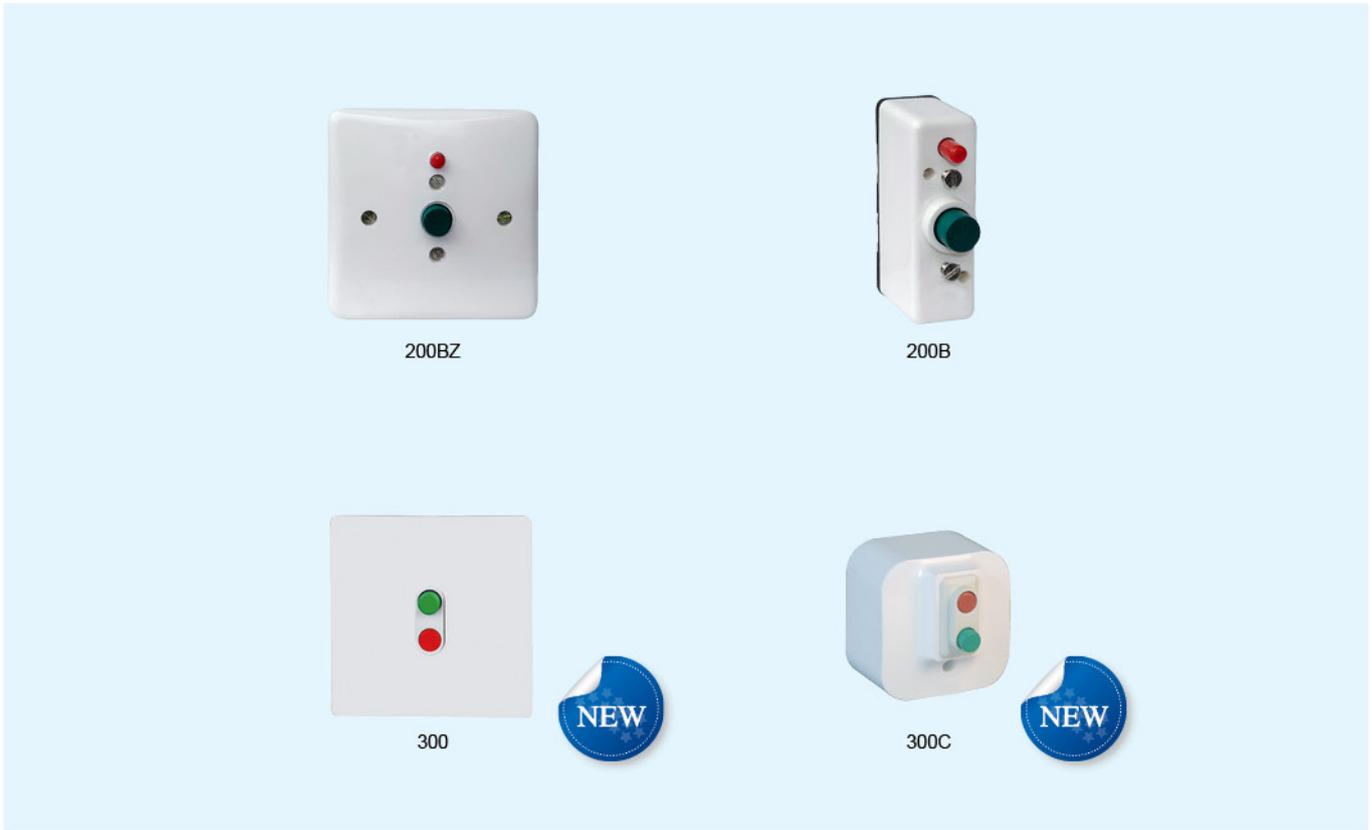
BH series miniature circuit breaker applies to industry ,commercial ,lighting and electrical machine distribution system with AC415V,50/60Hz ,rated working current to 63A protect against overload and short circuit ,The item is installed into plug-in type mounting base.

### Technical Specification

Type	BH05	BH06	BH07
Poles	1P, 2P, 3P	1P, 2P	1P, 2P, 3P
Rated voltage(Un)	230V/400V	230V/400V	230V/400V
Rated current(In)	6, 10, 15, 20, 30, 40, 50, 60A	15, 20, 30A	6, 10, 15, 20, 30, 40, 50, 60A
Rated service short-circuit capacity(Ics)	3KA	3KA	6KA

# 200BZ, 200B, 300, 300C

Overload Protection Switch



### Application

200 series and 300 series overload protection switch is suitable for AC 230/400V electrical control system protecting against overload and short-circuit, warranting reliability and safety for operation, and also allowing the usage for domestic, industrial and commercial applications. It is the advanced switch in domestic or precision apparatus.

### Technical Specification

Type	200BZ, 200B	300, 300C
Rated voltage(Un)	AC 230V/400V	AC 230V/400V
Rated current(In)	20A	20A
Rated frequency	50/60Hz	50/60Hz

## DLF360 Residual Current Circuit Breaker



## WGL106 Residual Current Circuit Breaker



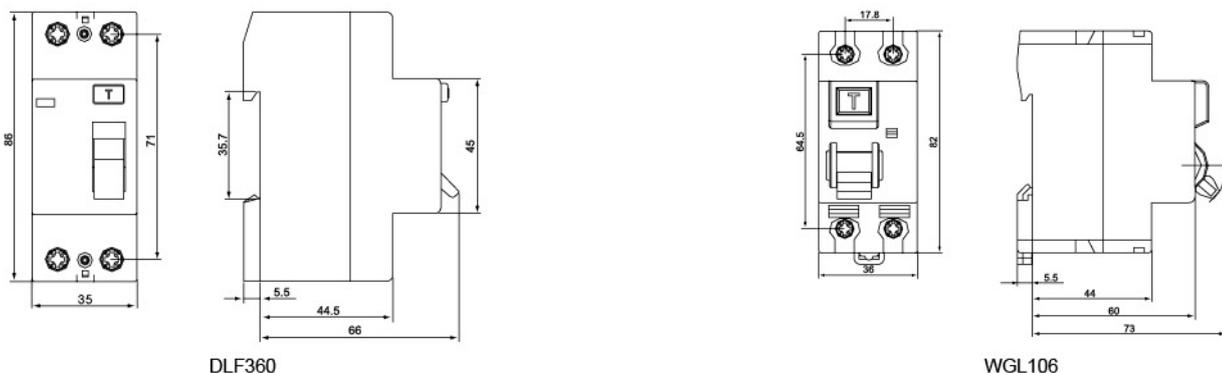
### Application

Residual current circuit breaker (RCCB) is applied to the circuit of AC 50/60Hz, for industrial and enterprise, building trade, commerce and family. To mainly prevent electric fire and personal casualty accident caused by personal electric shock or leakage of electric wire netting, this RCCB is a current operated, fast leakage protector of pure electromagnetic type, with can break off fault circuit rapidly in order to avoid occurrence of accident. The item is precise in structure, less elements, without auxiliary power and high reliability. The function of the switch won't be influenced by ambient temperature and lighting. The mutual inductor of the item is used to test vector differential value of passing current, and it produces a relevant output power and add it to the tripper in secondary winding, if the current of vector differential value of protected circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so as that the item will take effect of protection. It is CB approved.

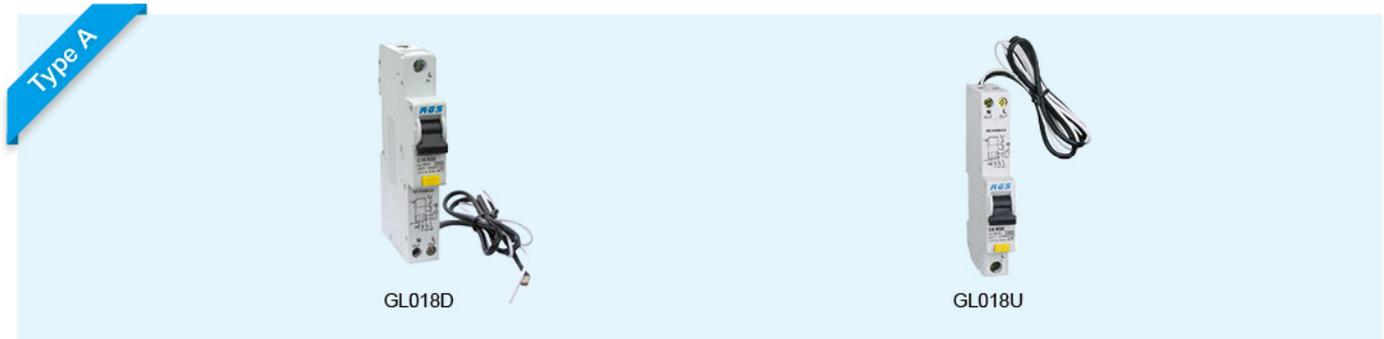
### Technical Specification

Type	DLF360	WGL106
Poles	2P, 4P	2P, 4P
Rated voltage(Ue)	AC 50Hz 2P 240V, 4P 240V/415V	2P 230V, 4P 230/400V
Rated current(In)	16, 25, 40, 63A	16, 25, 40, 63A
Rated short-circuit break capacity(I <sub>nc</sub> )	6KA	6KA
Leakage motion current(I <sub>Δn</sub> )	30,100,300mA	30,100,300mA
Leakage dead current(I <sub>Δno</sub> )	I <sub>Δno</sub> =0.5I <sub>Δn</sub>	I <sub>Δno</sub> =0.5I <sub>Δn</sub>

### Configuration and Mounting Dimensions



## GL018 Residual Circuit Breaker with Over-current Protection



## WGB017L Residual Circuit Breaker with Over-current Protection



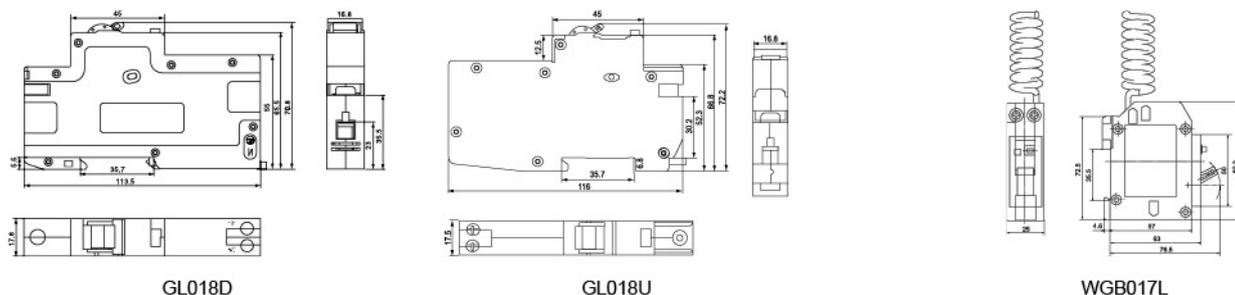
### Application

Residual circuit breaker with over-current protection (RCBO) is in accordance with standards of IEC61009, GB16917. 2P switching of ph&N, Phase only protected against overloads and short circuits. This product is used in commercial, industrial and domestic electrical distribution systems. It can not be used as the sole means of providing protection against direct contact. The RCBO incorporates a residual current operated electromagnetic release which operates without any auxiliary source of supply to open a circuit automatically in the case of an earth leakage fault between phase and earth greater than or equal to  $I_n$ . The product combines the functions of both MCB and RCCB provides: Protection against indirect contact, Complementary protection against direct contact, Protection for the installation against insulation faults.

### Technical Specification

Type	GL018D GL018U	WGB017L
Number of poles	1P+N	1P+N
Rated current( $I_n$ )	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40A	6, 10, 15, 25, 32, 40A
Rated operating current( $I_{\Delta n}$ )	15, 30, 100, 300mA	30mA
Leakage dead current( $I_{\Delta no}$ )	$I_{\Delta no} = 0.5I_{\Delta n}$	15mA
Rated voltage( $U_n$ )	AC 230(240) V	230V
Residual current off-time	$\leq 0.1s$	$\leq 0.1s$
Ultimate short-circuit breaking capacity( $I_{cn}$ )	10KA	6KA
Terminal protection	IP20	IP20
Earth Fault Sensitivity	Type A/ Type AC	Type AC

### Configuration and Mounting Dimensions



## WGS01 Staircase Switch



### Application

WGS01 staircase switch(time delay switch) is used in the circuit with AC 50/60Hz, rated voltage 230V, rated current less than 10A to break lighting and electrical appliance automatically, it is mainly used to control the corridor or stairs lighters of dwelling and commercial building, ect. It is CE approved.

### Technical Specification

Rated voltage Ui(Ue)	230V
Rated current(In)	10A
Delayed time range	0.5~12 MIN
Max power	2000W

## WGC01 Changeover Switch



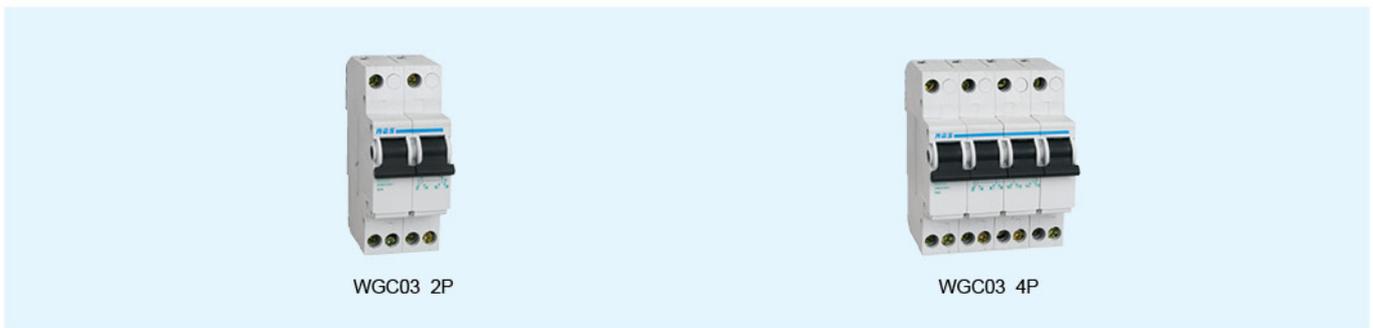
### Application

WGC01 changeover switch is used in the circuit of AC 230V/16A with remote control function. It is CE approved.

### Technical Specification

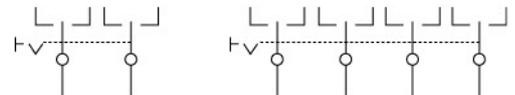
Rated voltage (Ue)	230V
Rated current (In)	16A
Rated frequency	50/60Hz

## WGC03 Changeover Switch



### Application

WGC03 Changeover Switch is used as main switch for circuit 230V/400V. Its feature is one in put with two outputs. And two outputs can be both in "OFF" position, or one output in "OFF" position and the other in "ON" position.



### Technical Specification

<b>Type</b>	<b>WGC03</b>
Poles	1P, 2P, 3P, 4P
Rated voltage(Ue)	230V/400V
Rated current(Ie)	16, 25A, 40A
Usage category	AC-22A
Rated impuls withstand voltage(Uimp)	6KV
Protection class	IP20
Standard	60947-3

## WGK02 Isolating Switch



WGK02-100 1P

WGK02-100 3P

## GK08 Isolating Switch



GK08 2P

GK08 4P

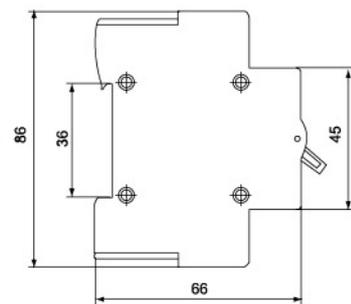
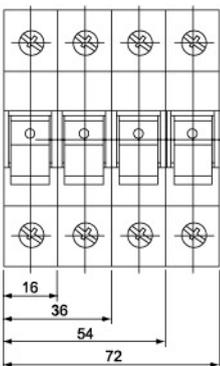
### Application

Isolating Switch is used as main switch for household and similar installation.

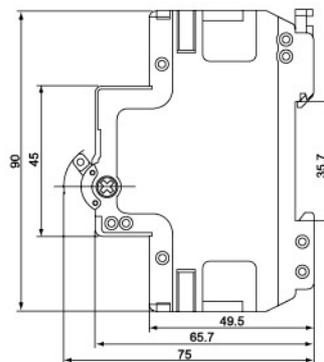
### Technical Specification

Type	WGK02	GK08
Poles	1P, 2P, 3P, 4P	1P, 2P, 3P, 4P
Rated voltage(Ue)	230V/400V	230V/400V
Rated current(Ie)	25A,40A,63A,80A,100A	25A,40A,63A,80A
Rated category	AC-22A	AC-22A
Rated impulse withstand voltage(Uimp)	6KV	6KV
Protection class	IP20	IP20
Standard	60947-3	60947-3

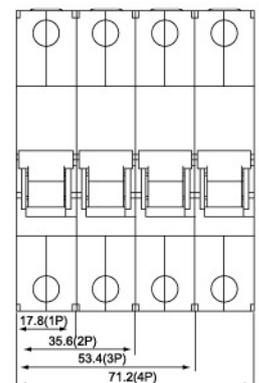
### Configuration and Mounting Dimensions



WGK02



GK08



## Bell



### Application

The bell is applicable to circuit with rated voltage 230V and frequency 50/60Hz for sound warning.

### Technical Specification

Type	Z32, GD08
Rated voltage $U_i$ (V)	8, 24, 120, 230V
Rated frequency	50Hz/60Hz

## Pilot Lamp



### Application

The Pilot Lamp is applicable to circuit with rated voltage 230V and frequency 50/60Hz for visual indication and signaling.

### Technical Specification

Type	C45D	GP08
Rated voltage $U_i$ (V)	230V	230V
Rated Frequency	50/60Hz	50/60Hz
Color	Red, Green, Yellow, Blue	Red, Green, Yellow, White
Max Power	0.6W	0.8W
Illumination	Neon bulb	LED
Service Time	15,000 hours	30,000 hours



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