

Residual Current Circuit Breaker

CTL1-63 Residual Current Circuit Breaker



CTL1-63 2P



CTL1-63 4P

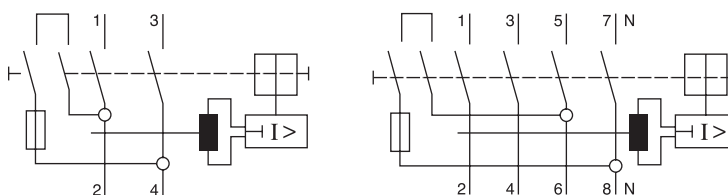
Application

The RCCB is in conformity with the standard of IEC61008. The RCCB can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk. Thus, it is suitable to avoid the shock hazard and fire caused by earth leakage. The RCCB is mainly suitable for use in varieties of plants and enterprises, building construction 1 phase 230V and 3 phase 400V 50/60Hz. RCCB is not suitable for use on DC pulse system.

Specifications

Number of Poles	2P, 4P	
Rated Current (A)	16, 20, 25, 32, 40, 50, 63, 80, 100	
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	10, 30, 100, 300, 500	
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$	
Rated Voltage (V)	AC 230/240	DC230/240
	AC 400/415	DC400/415
Residual Operating Current Scope	$0.5I_{\Delta n} \sim I_{\Delta n}$	
Residual Current Off-time	$\leq 0.3S$	
Short Circuit Capacity (I_{cu})	3000A	
Endurance	4000	
Protection Degree	IP20	

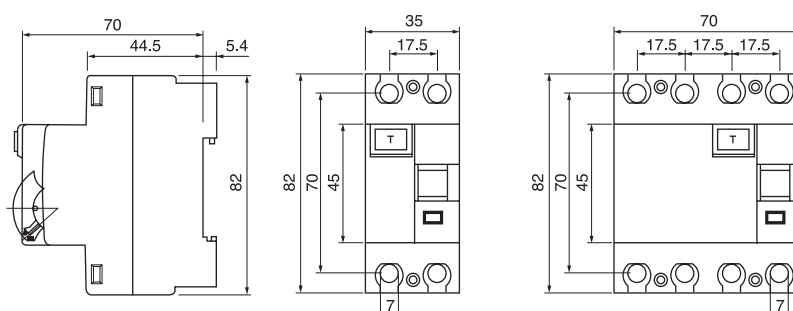
Operation Principle



Normal Operation and Mounting Requirement

- Circumstance temperature - $5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, average temperature not exceeding 35°C .
- Altitude above sea level less than 2000m.
- Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C .
- Installation class II or III.
- Pollution class II.
- Installation method DIN Rail mounting type.
- The external magnetism shall not be more than 5 times of terrestrial one.
- Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

Overall And Mounting Dimensions (Unit: mm)



Residual Current Circuit Breaker

F360 Residual Current Circuit Breaker



F360 2P(NEW)



F360 4P(NEW)



F360 2P



F360 4P

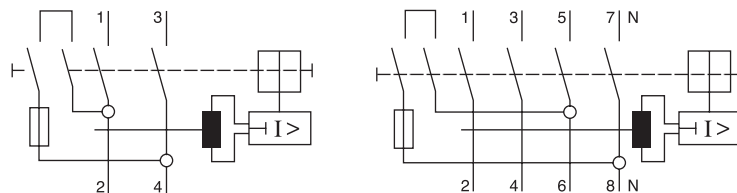
Application

The RCCB is in conformity with the standard of IEC61008. The RCCB can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk. Thus, it is suitable to avoid the shock hazard and fire caused by earth leakage. The RCCB is mainly suitable for use in varieties of plants and enterprises, building construction 1 phase 230V and 3 phase 400V 50/60Hz. RCCB is not suitable for use on DC pulse system.

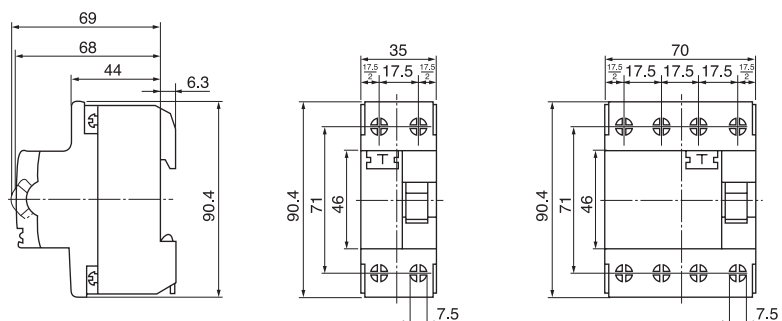
Specifications

Number of Poles	2P, 4P
Rated Current (A)	16, 20, 25, 32, 40, 50, 63, 80, 100
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	10, 30, 100, 300, 500
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230/240 AC 400/415
Residual Operating Current Scope	$0.5I_{\Delta n} \sim I_{\Delta n}$
Residual Current Off-time	$\leq 0.3S$
Short Circuit Capacity (Icu)	3000A
Endurance	4000
Protection Degree	IP20

Operation Principle



Overall And Mounting Dimensions (Unit: mm)



NFIN Residual Current Device



NFIN 2P



NFIN 4P

Application

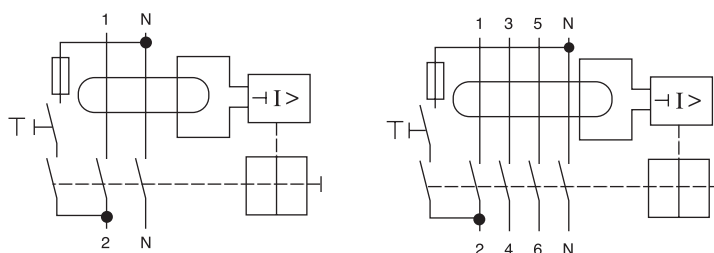
The Residual Current Device NFIN is in conformity with the standard of IEC61008. It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

NFIN RCD is mainly suitable for using in varieties of plants, enterprises, buildings, constructions, commerce, guesthouses and families. It can be used in circuits of 1 phase 230V and 3 phase 400V 50/60Hz.

Specifications

Number of Poles	2P, 4P
Rated Current (A)	16, 20, 25, 32, 40, 50, 63, 80, 100
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300, 500
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230/400
Residual Current Off-time	$\leq 0.1S$
Short Circuit Capacity (I_{cu})	3000A
Endurance	≥ 4000
Protection Degree	IP20

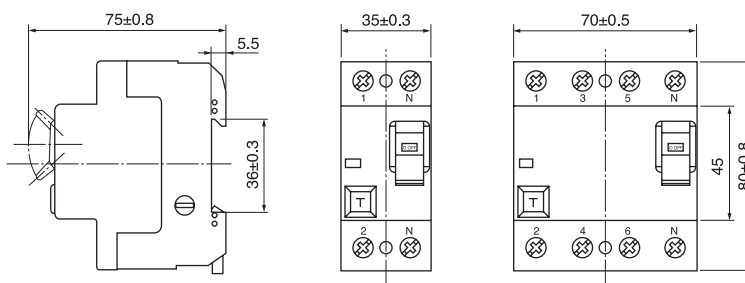
Operation Principle



Normal Operation and Mounting Requirement

- Circumstance temperature $-5^{\circ}C \sim +40^{\circ}C$, average temperature not exceeding $35^{\circ}C$.
- Altitude above sea level less than 2000m.
- Humidity not exceeding 50% at $40^{\circ}C$ and not exceeding 90% at $25^{\circ}C$.
- Installation class II or III.
- Pollution class II.
- Installation method DIN Rail mounting type.
- The external magnetism shall not be more than 5 times of terrestrial one.
- Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

Overall And Mounting Dimensions (Unit: mm)



Residual Current Circuit Breaker

FIN Residual Current Device



FIN 2P



FIN 4P

Application

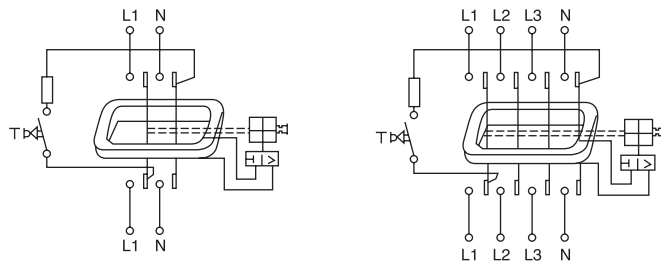
Residual Current Device(RCD) FIN is in conformity with the standard of IEC61008. It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

FIN ELCB is mainly suitable for varieties of plants and enterprises, buildings, construction, commerce, hotels and families. It can be used in circuits of 1 phase 230V and 3 phase 400V 50/60Hz.

Specifications

Number of Poles	2P, 4P
Rated Current (A)	16, 20, 25, 32, 40, 50, 63
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300, 500
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230/400
Residual Current Off-time	$\leq 0.1S$
Short Circuit Capacity (I_{cu})	3000A
Endurance	≥ 4000
Protection Degree	IP20

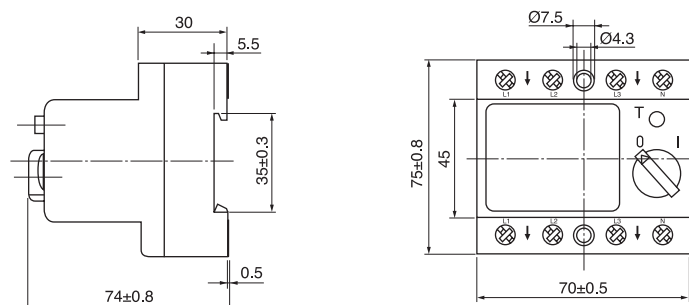
Operation Principle



Normal Operation and Mounting Requirement

- Circumstance temperature $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, average temperature not exceeding 35°C .
- Altitude above sea level less than 2000m.
- Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C .
- Installation class II or III.
- Pollution class II.
- Installation method DIN Rail mounting type.
- The external magnetism shall not be more than 5 times of terrestrial one.
- Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

Overall And Mounting Dimensions (Unit: mm)



FI-100 Residual Current Circuit Breaker



FI-100 2P



FI-100 4P

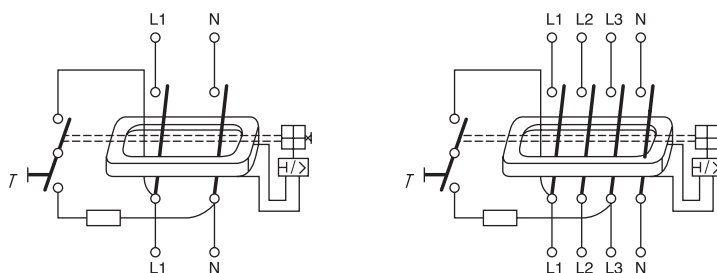
Application

FI-100 RCCB is in conformity with the standard of IEC61008. The RCCB can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk. Thus, it is suitable to avoid the shock hazard and fire caused by earth leakage. The RCCB is mainly suitable for use in varieties of plants and enterprises, building construction 1 phase 230V and 3 phase 400V 50/60Hz. RCCB is not suitable for use on DC pulse system.

Specifications

Number of Poles	2P, 4P
Rated Current (A)	25, 32, 40, 63, 80, 100, 125
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	100, 300, 500
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230/400
Residual Current Off-time	$\leq 0.1S$
Short Circuit Capacity (Icu)	3000A
Endurance	≥ 4000
Protection Degree	IP20

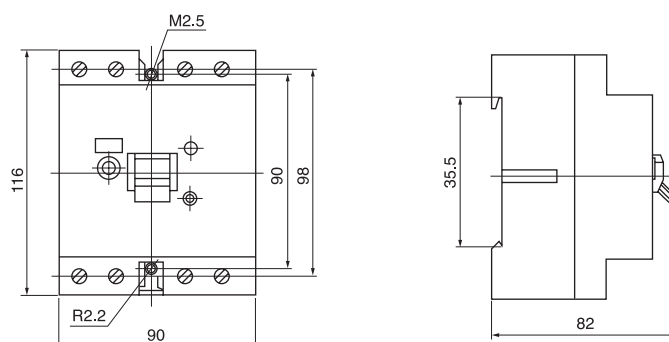
Operation Principle



Normal Operation and Mounting Requirement

- Circumstance temperature $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, average temperature not exceeding 35°C .
- Altitude above sea level less than 2000m.
- Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C .
- Installation class II or III.
- Pollution class II.
- Installation method DIN Rail mounting type.
- The external magnetism shall not be more than 5 times of terrestrial one.
- Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

Overall And Mounting Dimensions (Unit: mm)



Residual Current Circuit Breaker

ID Residual Current Circuit Breaker



ID 2P



ID 4P

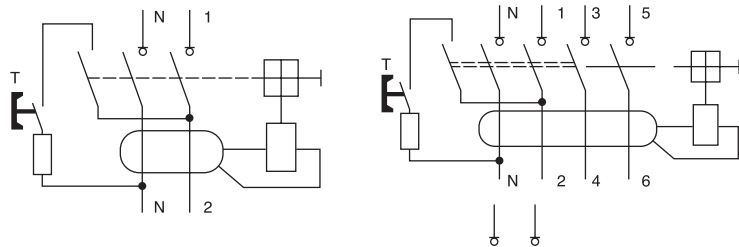
Application

ID RCCB is in conformity with the standard of IEC61008. The RCCB can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk. Thus, it is suitable to avoid the shock hazard and fire caused by earth leakage. The RCCB is mainly suitable for use in varieties of plants and enterprises, building construction 1 phase 230V and 3 phase 400V 50/60Hz. RCCB is not suitable for use on DC pulse system.

Specifications

Number of Poles	1P+N, 3P+N
Rated Current (A)	16, 20, 25, 40, 50, 63
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300, 500
Rated Voltage (V)	AC 230/240 AC 400/415
Residual Operating Current Scope	$0.5I_{\Delta n} \sim I_{\Delta n}$
Residual Current Off-time	$\leq 0.3S$
Short Circuit Capacity (I_{cu})	6000A
Endurance	4000
Protection Degree	IP20

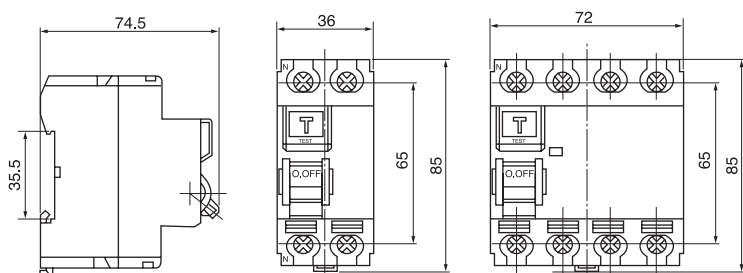
Operation Principle



Normal Operation and Mounting Requirement

- Circumstance temperature $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, average temperature not exceeding 35°C .
- Altitude above sea level less than 2000m.
- Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C .
- Installation class II or III.
- Pollution class II.
- Installation method DIN Rail mounting type.
- The external magnetism shall not be more than 5 times of terrestrial one.
- Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

Overall And Mounting Dimensions (Unit: mm)



HAG Residual Current Device



HAG 2P



HAG 4P



HAG-New



HAG-New

Application

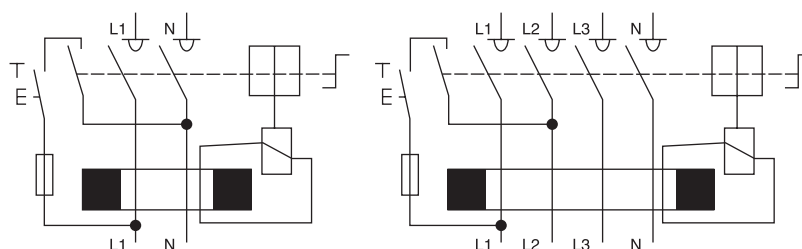
HAG Residual Current Device C is in conformity with the standard of IEC61008. It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

HAG RCD is mainly suitable for using in varieties of plants, enterprises, buildings, constructions, commerce, guesthouses and families. It can be used in circuits of 1 phase 230V and 3 phases 400V 50/60Hz.

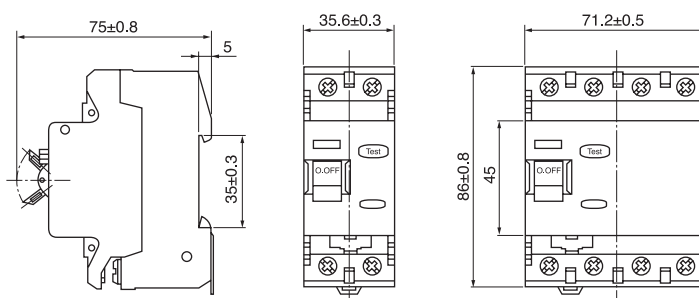
Specifications

Number of Poles	2P, 4P
Rated Current (A)	16, 20, 25, 32, 40, 50, 63, 80, 100
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300, 500
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230/400
Residual Current Off-time	$\leq 0.1S$
Short Circuit Capacity (I_{cu})	3000A
Endurance	≥ 4000
Protection Degree	IP20

Operation Principle



Overall And Mounting Dimensions (Unit: mm)



Residual Current Circuit Breaker

F1 Residual Current Circuit Breaker



F1 2P



F1 4P



CTL8 2P



CTL8 4P

Application

F1 series RCCBs apply to in AC circuit of frequency of 50/60Hz, rated voltage up to 415V, rated current up to 80A. It is mainly used as an indirect contact protection for human. It also can be used to prevent against the fire danger caused by earth fault current owing to equipment insulation damage. When the protective measures of the electric shock are out of work, the RCCB whose rated residual operating current less than 30mA can serve as the supplementary protection for an direct contact, but it can't be used as the sole direct contact protection. They conform to IEC61008.

Specifications

Number of Poles	2P, 4P
Rated Current (A)	16, 20, 25, 32, 40, 50, 63, 80
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300, 500
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230/400
Residual Current Off-time	$\leq 0.1S$
Short-circuit Capacity (Icu)	3000A
Endurance	≥ 4000
Protection Degree	IP20

CTL8 Residual Current Device

Application

The Residual Current Device CTL8 is in conformity with the standard of IEC61008. It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

CTL8 RCD is mainly suitable for using in varieties of plants, enterprises, buildings, constructions, commerce, guesthouses and families. It can be used in circuits of two pole 230V 50 60Hz.

Specifications

Number of Poles	2P, 4P
Rated Current (A)	16, 20, 25, 40, 50, 63
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300, 500
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230
Residual Current Off-time	$\leq 0.1S$
Short-circuit Capacity (Icu)	3000A
Endurance	≥ 4000
Protection Degree	IP20

PFIM Residual Current Device



PFIM 2P



PFIM 4P

Application

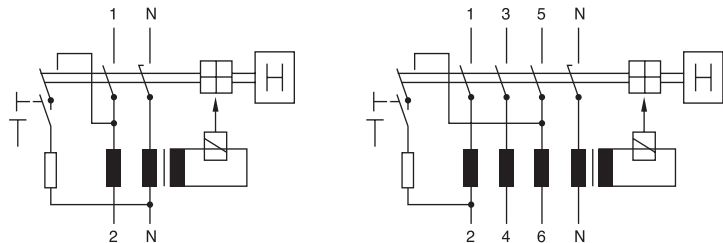
The Residual Current Device PFIM is in conformity with the standard of IEC61008. It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

PFIM RCD is mainly suitable for using in varieties of plants, enterprises, buildings, constructions, commerce, guesthouses and families. It can be used in circuits of 1 phase 230V and 3 phases 400V 50/60Hz.

Specifications

Number of Poles	2P, 4P
Rated Current (A)	16, 20, 25, 40, 50, 63
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300, 500
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230/400
Residual Current Off-time	$\leq 0.1S$
Short Circuit Capacity (I_{cu})	3000A
Endurance	≥ 4000
Protection Degree	IP20

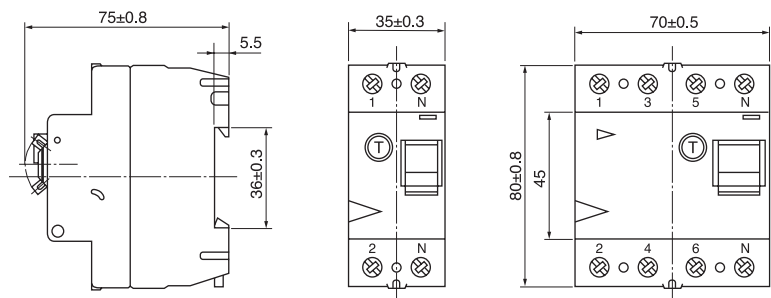
Operation Principle



Normal Operation and Mounting Requirement

- Circumstance temperature $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, average temperature not exceeding 35°C .
- Altitude above sea level less than 2000m.
- Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C .
- Installation class II or III.
- Pollution class II.
- Installation method DIN Rail mounting type.
- The external magnetism shall not be more than 5 times of terrestrial one.
- Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

Overall And Mounting Dimensions (Unit: mm)



Residual Current Circuit Breaker

PG Residual Current Circuit Breaker

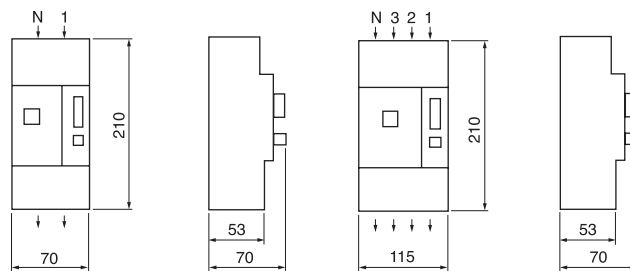
Application

PG RCCB, the rated current is adjustable from 10A up to 60A. User can select suitable current for better protection against overload and short circuit. The products comply with IEC61008.

Specifications

Number of Poles	2	4
Rated Voltage(V)	250/440	
Rated Current(A)	10, 15, 20, 30, 45, 50, 60A Adjustable	
Leakage Motion Current(mA)	300, 500	300, 500
Leakage Dead Current(mA)	150, 250	150, 250

Dimensions



PG230



PG430



TG230



TG430

TG Residual Current Circuit Breaker

Application

TG RCCB, the rated current is adjustable from 10A up to 60A. User can select suitable current for better protection against overload and short circuit. The products comply with IEC61008.

Specifications

Number of Poles	2	4
Rated Voltage(V)	250/440	
Rated Current(A)	10, 15, 20, 30, 45, 50, 60A Adjustable	
Leakage Motion Current(mA)	300, 500	300, 500
Leakage Dead Current(mA)	150, 250	150, 250

DZ47LE C45LE Residual Current Circuit Breaker with Over Current Protection



DZ47LE 1P+N



DZ47LE 3P



C45LE 1P+N



C45LE 3P

Application

DZ47L C45L RCBO is used for the protection against electrical leakage in the circuit of 50Hz or 60Hz, rated voltage 1 phase 230V and 3 phase 400V, rated current up to 63A. When somebody gets an electric shock or the residual current of the circuit exceeds the fixed value, the RCBO can cut off the power within the time of 0.1s automatically to protect the personal safety and preventing the equipment from the fault resulted by the residual current. With this function, the RCBO can protect the circuit against overload and short circuit or can be used for the unfrequent switchover of the circuit under normal conditions. It conforms to IEC61009 standard.

Normal Operation and Mounting Requirement

- Circumstance temperature $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, average temperature not exceeding 35°C .
- Altitude above sea level less than 2000m.
- Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C .
- Installation class II or III.
- Pollution class II.
- Installation method DIN Rail mounting type.
- The external magnetism shall not be more than 5 times of terrestrial one.
- Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

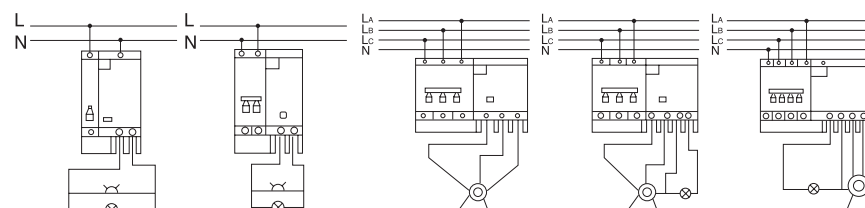
Specifications

Number of Poles	1P+N, 2P, 3P, 3P+N, 4P
Rated current (A)	6, 10, 16, 20, 25, 32, 40, 50, 63
Rated operating current (mA)	30, 100, 300, 500
Rated non operating ($I_{\Delta N}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated voltage (V)	220/380
Tripping curve	C, D
Type	Electronic

Wiring Diagram

Single-Pole Double Line	Double-Pole Double Line	Triple-Pole Triple Line	Triple-Pole Four Line	Four-Pole Four Line
C45N+DZ47L	C45N+DZ47L	C45N+DZ47L	C45N+DZ47L	C45N+DZ47L
C45N+C45L	C45N+C45L	C45N+C45L	C45N+C45L	C45N+C45L
1/2	2/2	3/3	3/4	4/4

Operation Principle



Residual Current Circuit Breaker

NC100LE Residual Current Circuit Breaker with Over Current Protection



NC100LE 1P+N



NC100LE 3P



C65NLE 2P



C65NLE 4P

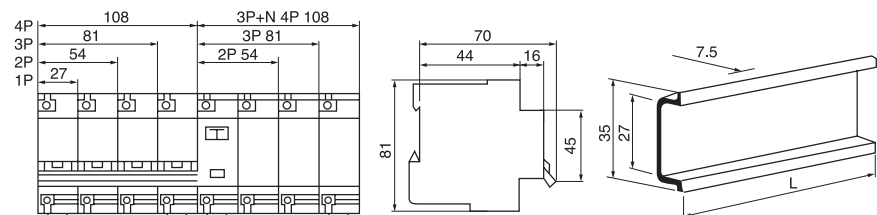
Application

NC100LE RCBO is suitable for the circuit of 50Hz, rated voltage 230/400V, and rated current up to 100A. It has the earth leakage, overload & short circuit protect function. It can also add over voltage protect function. It is mainly used in building illumination and electrical distribution system.

Specifications

Number of Poles	1P+N, 2P, 3P, 3P+N, 4P
Rated Current (A)	40, 50, 63, 80, 100
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 50, 100, 200, 300
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$
Rated Voltage (V)	AC 230/400
Residual Current Off-time	$\leq 0.1S$
Short Circuit Capacity (Icu)	3000A
Endurance	≥ 4000
Tripping Curve	C, D
Protection Degree	IP20

Overall And Mounting Dimensions (Unit: mm)



C65NLE Residual Current Circuit Breaker with Over Current Protection

Application

C65NLE RCBO is used for the protection against electrical leakage in the circuit of 50Hz or 60Hz, rated voltage single-phase 230V, 3 phase 400V, rated current up to 60A. When somebody gets an electric shock or the residual current of the circuit exceeds the fixed value, the ELCB can cut off the power within the time of 0.1s automatically to protect the personal safety and preventing the equipment from the fault resulted by the residual current. With this function, the ELCB can protect the circuit against overload and short circuit or can be used for the unfrequent switchover of the circuit under normal conditions. It conforms to IEC61009 standard.

Specifications

Number of Poles	1P+N, 2P, 3P, 3P+N, 4P
Rated voltage	240/415V
Rated current	6A 10A 16A 20A 25A 32A 40A 50A 63A
Rated operating current (mA)	30mA 100mA 300mA
Rated non-operating($I_{\Delta n}$)	$\leq 0.5I_{\Delta n}$
Tripping Curve	C, D

Residual Current Circuit Breaker

DZ30LE Earth Leakage Circuit Breaker with Over Current Protection



DZ30LE

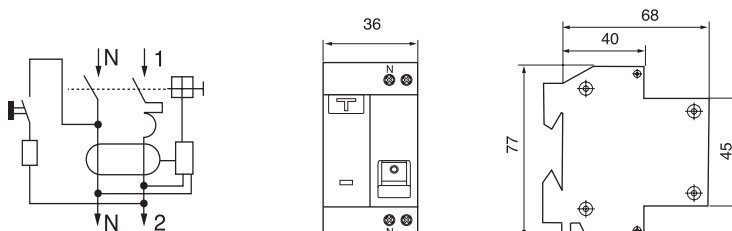
Specifications

Number of Poles	1P+N
Rated Current (A)	6, 10, 16, 20, 25, 32
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	15
Rated Voltage (V)	230
Residual Current Off-time	$\leq 0.1S$
Short Circuit Capacity(Icu)	4500A

Overload Trip Characteristic

Testing Current(A)	Rated Voltage(V)	Limited Time	Pre-engage Result	Start Situation	Note
1.13In	all	$t \geq 1h$	non-trip	cold state	The current rise steadily to a fixed value within 5s
1.45In	all	$t < 1h$	trip	heat state	
2.55In	all	$1s < t < 60s$	trip	cole state	Open the supplementary switch, connect the power
5In	all	$t \geq 0.1s$	non-trip	cold state	Open the supplementary switch, connect the power
10In	all	$t < 0.1s$	trip	cole state	Open the supplementary switch, connect the power

Dimensions



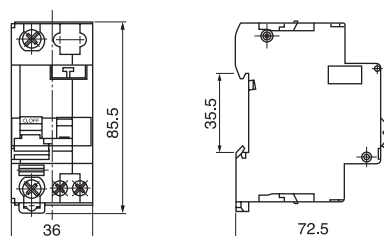
C60NLE

C60NLE Earth Leakage Circuit Breaker with Over Current Protection

Specifications

Number of Poles	2P
Rated Current (A)	10, 16, 20, 25, 32, 40
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300
Rated Voltage (V)	230
Residual Current Off-time	$\leq 0.1S$
Short Circuit Capacity (Icu) (A)	4500

Dimensions



Residual Current Circuit Breaker



CT-B



CT-C



CTO1

Surge Protector

Main Technical Parameters

Technical Parameters	Model	CT-B					
Rated Operating Voltage $U_n(V\sim)$		220V	380V	220V	380V	220V	380V
Maximum Continuous Operating Voltage $U_c(V\sim)$		385V	420V	385V	420V	385V	420V
Voltage Protection Level $U_p(V\sim)kV$		≤ 2.8	≤ 3.2	≤ 2.2	≤ 2.5	≤ 2.0	≤ 2.3
Nominal Discharge Current $I_n(8/20\mu s)kA$		60		40		30	
Maximum Discharge Current $I_{max}(8/20\mu s)kA$		100		80		60	
Response Time ns		<25					
The Cross Section of L/N Line		16、25		10、16		10、16	
The Cross Section of PE Line		25、35		25		16、25	
Fuse or Switch(A)		63A		63A		63A、32A	
Operating Environment $^{\circ}C$		$-40^{\circ}C\sim+85^{\circ}C$					
Relative Humidity(25 $^{\circ}C$)		$\leq 95\%$					
Installation		Standard Rail 35mm					
Material of Outer Covering		Fiber glass reinforced plastic					

Technical Parameters	Model	CT-C					
Rated Operating Voltage $U_n(V\sim)$		110V	220V	380V	220V	380V	
Maximum Continuous Operating Voltage $U_c(V\sim)$		140V	275V	320V	385V	420V	440V
Voltage Protection Level $U_p(V\sim)kV$		≤ 0.8	≤ 1.2	≤ 1.5	≤ 1.8	≤ 2.0	≤ 2.0
Nominal Discharge Current $I_n(8/20\mu s)kA$		20				15	
Maximum Discharge Current $I_{max}(8/20\mu s)kA$		40				30	
Response Time ns		<25					
Test Standard		GB18802.1、IEC61643-1					
The Cross Section of L/N Line		10、16				10	
The Cross Section of PE Line		10、25				16	
Fuse or Switch(A)		32A				25A、32A	
Operating Environment $^{\circ}C$		$-40^{\circ}C\sim+85^{\circ}C$					
Relative Humidity(25 $^{\circ}C$)		$\leq 95\%$					
Installation		Standard Rail 35mm					
Material of Outer Covering		Fiber glass reinforced plastic					

Technical Parameters	Model	CTO1 1-8, 2-8, 3-10		CTO1 1-15, 2-15, 3-20		CTO1-65	
Rated Operating Voltage Un(V~)		220V	380V	220V	380V	220V	380V
Maximum Continuous Operating Voltage Uc(V~)		275V	420V	275V 320V 385V	440V	275V 385V	440V
Voltage Protection Level Up(V~)kV		≤ 0.8	≤ 3.2	≤ 1.0 ≤ 1.4 ≤ 1.6	≤ 1.8	≤ 1.2 ≤ 2.0	≤ 2.4
Nominal Discharge Current In(8/20μs)kA		2	5	15	20	20	30
Maximum Discharge Current Imax(8/20μs)kA		8	10	40		65	
Response Time ns		<25					
Test Standard		GB18802.1、IEC61643-1					
The Cross Section of L/N Line		6		10		16	
The Cross Section of PE Line		10		16		25	
Fuse or Switch(A)		10A		16A、32A		16A	
Operating Environment℃		-40℃~+85℃					
Relative Humidity(25℃)		≤ 95%					
Installation		Standard Rail 35mm					
Material of Outer Covering		Fiber glass reinforced plastic					

DXL-D Series Residual Current Circuit Breaker



DXL-D 2P



DXL-D 4P

Construction and Feature

- Provides protection against earth fault/leakage current and function of isolation.
- High current rating up to 125A
- Applicable to terminal and pin/fork type busbar connection
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity.
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation.

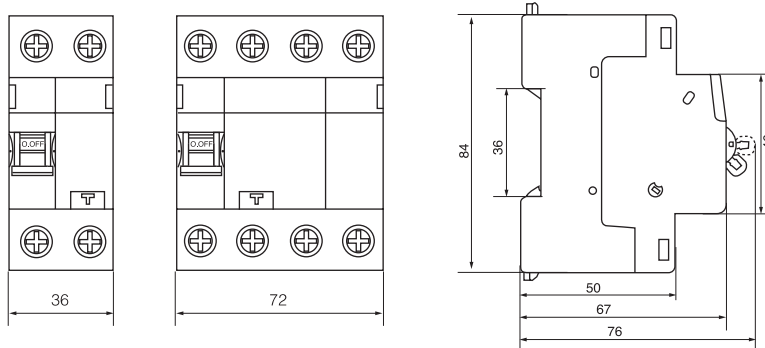
Technical Data

- | | |
|--|--|
| ■ Model:electro-magnetic type,electronic type | ■ Terminal Connection Height:21mm |
| ■ Residual current characteristics:A,AC | ■ Electro-mechanical endurance:4000 cycles |
| ■ Pole NO.:2,4 | ■ Connection capacity: Rigid conductor 35mm ² |
| ■ Rated making and breaking capacity:630A | ■ Connection terminal: Pillar terminal with clamp |
| ■ Rated current(A):25,40,63,80,100,125 | ■ Fastening torque:2.5Nm |
| ■ Rated voltage:240/415V AC | ■ Installation: On symmetrical DIN rail 35mm |
| ■ Rated frequency:50/60Hz | ■ Panel mounting |
| ■ Rated residual operating current $I_{\Delta n}(A)$:0.03,0.1,0.3,0.5 | |
| ■ Rated residual non operating current $I_{\Delta no}$:0.5 $I_{\Delta n}$ | |
| ■ Rated conditional short-circuit current I_{nc} :6kA | |
| ■ Rated conditional residual short-circuit Current $I_{\Delta c}$:6kA | |
| ■ Tripping duration:instantaneous tripping $\leq 0.1s$ | |
| ■ Residual tripping current range:0.5 $I_{\Delta n} \sim I_{\Delta n}$ | |

Wiring Diagram



Overall & Installation Dimensions

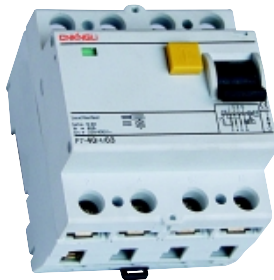


Residual Current Circuit Breaker

F7 RCBO Residual Current Device



F7-1 2P



F7-1 4P



F7-2 2P



F7-2 4P

Application

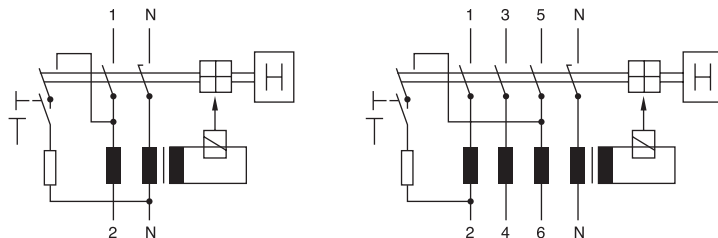
The Residual Current Device F7 is in conformity with the standard of IEC61008. It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

F7 RCD is mainly suitable for using in varieties of plants, enterprises, buildings, constructions, commerce, guesthouses and families. It can be used in circuits of 1 phase 230V and 3 phases 400V 50/60Hz.

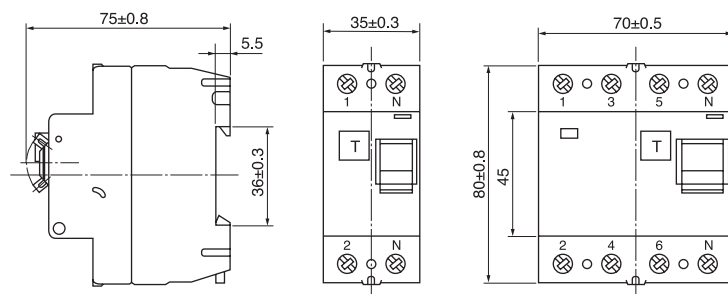
Specifications

Number of Poles	2P, 4P	
Rated Current (A)	16, 20, 25, 32, 40	50, 63
Rated Residual Operating Current ($I_{\Delta n}$)(mA)	30, 100, 300, 500	
Rated Residual Non-operation Current ($I_{\Delta no}$)(mA)	$\leq 0.5I_{\Delta n}$	
Rated Voltage (V)	AC 230/400	
Residual Current Off-time	$\leq 0.1S$	
Short Circuit Capacity (Icu)	1500A	3000A
Endurance	≥ 4000	
Protection Degree	IP20	

Operation Principle



Overall And Mounting Dimensions (Unit: mm)



CNKINGLI

YUEQING KANGLING ELECTRIC APPLIANCE FACTORY

Add: North baixiang industry zone,yueqing city,Wenzhou city, zhejiang
province,China

Tel: 0086-577-62868266

Fax: 0086-577-62868267

Yiwu Office: 0086-579-85605919

[Http://www.yqkangling.com](http://www.yqkangling.com)

E-mail: slaite@163.com