

Sample manual

SNDQI ELECTRICAL CO.,LTD.

Add:Yueqing City north Baixiang town bridge industrial zone
Wenzhou Zhejiang,China

<https://wzsndq.com/>

Mob:86-18357785687



Function

- Electric isolation

Technical specification

- Standard: IEC/EN947-3,GB14048.3
- Frame current (Im) : 63A
- Rated current (In) : 20、32、40、63、80、100、125A
- Rated operating frequency: 50/60Hz
- Rated impulse voltage (Ui) : 500V
- Rated voltage (Ue) : 230V(1P-2P), 400V(3P-4P)
- Pole: 1P、2P、3P、4P
- Rated impulse withstand voltage (Uimp) : 4kV
- Rated short time current (Icw) : 12Ie/1s
- Rated making and breaking capacity: 3Ie, 1.05Ue, COSΦ=0.65
- Rated short circuit breaking: 20Ie/1s
- Use classes: AC-22A,AC-21B
- Rated working system: uninterrupted working system
- Mechanical life: 10000 time
- Electrical life: 3000 time

Main feature

- Product serialization, maximum rated current up to 125A
- Beautiful appearance, new upgrade, can seamlessly replace the original old isolation

Normal Operating Conditions and Installation Condition

- The ambient air temperature:-5~ +40℃ , Average not more than +35℃ within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

Copper wire connection

	Rated current(In)									
	6A	10、13A	20、16A	25A	32A	40A	50、63A	80A	100A	125A
Copper wire connection (mm ²)	1	1.5	2.5	4	6	10	16	25	35	50

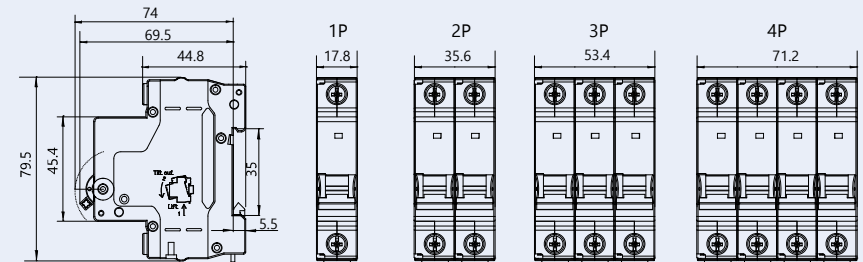
Installation and use

- Before installation, check whether the switch is consistent with the actual working conditions;
- The incoming power cable is connected from the top of the switch, and the lower end is connected to the cable. The copper wire should be tightened and not loose or exposed outside the wiring end.
- Before power, manually operate the switch several times, should be flexible and reliable, no blocking phenomenon;

Matters need attention:

The switch can carry the current under abnormal circuit conditions (short circuit) for a certain period of time, and may not frequently break the appropriate overload, but cannot be used to break the fault current. .

Dimensions





Function

- Protect function: Overload, short circuit

Technical specification

- Standard: IEC/EN60898-1, GB10963.1
- Frame current (I_m) : 63A
- Rated current(I_n) : 6, 10, 16, 20, 25, 32, 40, 50, 63A
- Rated voltage (U_e) : 230V(1P, 1P+N), 400V(2P-4P, 3P+N)
- Rated impulse voltage(U_i): 500V
- Rated operating frequency: 50/60Hz
- Pole: 1P, 1P+N, 2P, 3P, 3P+N, 4P
- Trip curve: B, C, D
- Rated impulse withstand voltage (U_{imp}) : 4kV
- Mechanical life: 10000 time
- Electrical life :6000 time
- Rated short-circuit breaking capacity(I_{cn}): 4.5, 6kA
- Rated operating breaking capacity (I_{cs}) : 4.5, 6kA

Main feature

- High cost performance, breaking capacity up to 6kA
- Product serialization, provide customers with a variety of choices
- Beautiful appearance, new upgrade, can seamlessly replace the original old C45 circuit breaker products

Normal Operating Conditions and Installation Condition

- The ambient air temperature: -5~+40°C , Average not more than +35°C within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

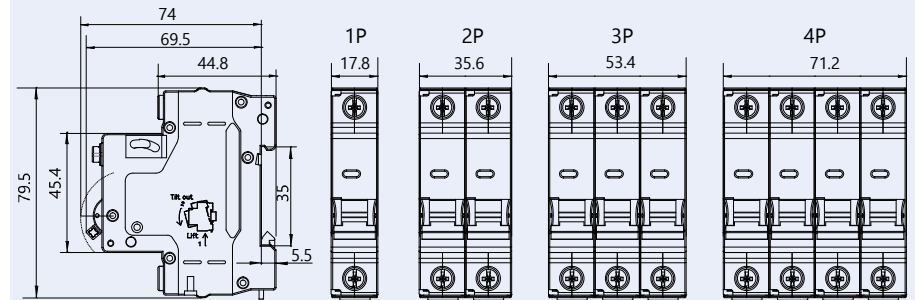
Copper wire connection

Rated current(I_n)	Copper wire connection (mm ²)
6A	1
10, 13A	1.5
16, 20A	2.5
25A	4
32A	6
40A	10
50, 63	16
80A	25
100A	35
125A	50

Character

Test	Type	Test Current	Initial State	Trip or non-trip time	expected result
a	B, C, D	1.13 I_n	Cold state	$t \leq 1h$	No Trip
b	B, C, D	1.45 I_n	followed by experiment a	$t < 1h$	Trip
c	B, C, D	2.55 I_n	Cold state	$1s < t < 60s (I_n \leq 32A)$ $1s < t < 120s (I_n > 32A)$	Trip
d	B	3 I_n	Cold state	$t \leq 0.1s$	No Trip
	C	5 I_n			
	D	10 I_n			
e	B	5 I_n	Cold state	$t < 0.1s$	Trip
	C	10 I_n			
	D	15 I_n			

Dimensions





Function

- Protect function: Overload, short circuit, leakage protection

Technical specification

- Standard: IEC/EN61009-1, GB16917.1
- Frame current (I_m) : 63A
- Rated current(I_n) : 6, 10, 16, 20, 25, 32, 40, 50, 63A
- Rated voltage (U_e) : 230V
- Rated impulse voltage(U_i): 500V
- Rated operating frequency: 50/60Hz
- Pole: 1P+N
- Trip curve: B, C, D
- Rated residual operating current ($I_{\Delta n}$) : 10, 30, 100, 300mA
- Remaining action type: AC or A type
- Remaining operating time: < 0.1s
- Rated impulse withstand voltage (U_{imp}) : 4kV
- Mechanical life: 10000 time
- Electrical life : 6000 time
- Rated short-circuit breaking capacity(I_{cn}) : 4.5, 6kA

Main feature

- The product is very cost-effective, the maximum rated current is 63A
- Beautiful appearance, new upgrade, can seamlessly replace the original DPN leakage products

Normal Operating Conditions and Installation Condition

- The ambient air temperature:-5~+40°C , Average not more than +35°C within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

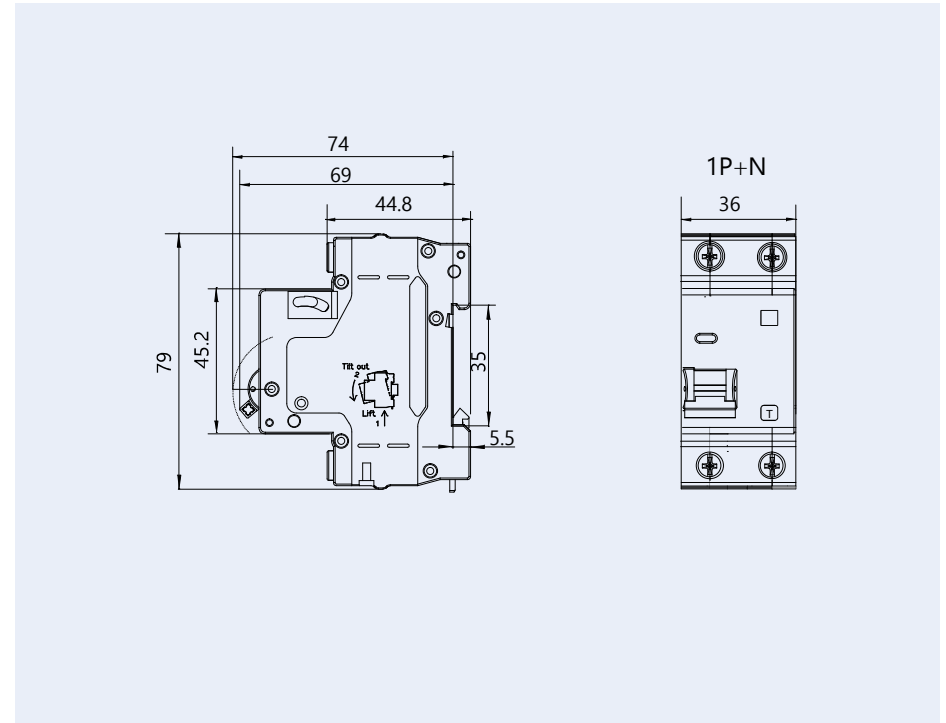
Copper wire connection

Rated current(I_n)	Copper wire connection (mm^2)
6A	1
10, 13A	1.5
16, 20A	2.5
25A	4
32A	6
40A	10
50, 63	16
80A	25
100A	35
125A	50

Character

Test	Type	Test Current	Initial State	Trip or non-trip time	expected result
a	B, C, D	1.13 I_n	Cold state	$t \leq 1h$	No Trip
b	B, C, D	1.45 I_n	followed by experiment a	$t < 1h$	Trip
c	B, C, D	2.55 I_n	Cold state	$1s < t < 60s (I_n \leq 32A)$ $1s < t < 120s (I_n > 32A)$	Trip
d	B	3 I_n	Cold state	$t \leq 0.1s$	No Trip
	C	5 I_n			
	D	10 I_n			
e	B	5 I_n	Cold state	$t < 0.1s$	Trip
	C	10 I_n			
	D	15 I_n			

Dimensions





Function

- Electric isolation

Technical specification

- Standard: IEC/EN947-3, GB14048.3
- Frame current (Im) : 63A
- Rated current (In) : 20, 32, 40, 63, 80, 100, 125A
- Rated operating frequency: 50/60Hz
- Rated impulse voltage (Ui) : 500V
- Rated voltage (Ue) : 230V(1P-2P), 400V(3P-4P)
- Pole: 1P, 2P, 3P, 4P
- Rated impulse withstand voltage (Uimp) : 4kV
- Rated short time current (Icw) : 12Ie/1s
- Rated making and breaking capacity: 3Ie, 1.05Ue, COSΦ=0.65
- Rated short circuit breaking: 20Ie/1s
- Use classes: AC-22A, AC-21B
- Rated working system: uninterrupted working system
- Mechanical life: 10000 time
- Electrical life: 3000 time

Main feature

- Product serialization, maximum rated current up to 125A
- Beautiful appearance, new upgrade, can seamlessly replace the original old isolation

Normal Operating Conditions and Installation Condition

- The ambient air temperature: -5~+40°C, Average not more than +35°C within 24 hours
- Altitude(m): Not exceed 2000 meters
- Protection degree: IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

Copper wire connection

	Rated current(In)									
	6A	10, 13A	20, 16A	25A	32A	40A	50, 63A	80A	100A	125A
Copper wire connection (mm ²)	1	1.5	2.5	4	6	10	16	25	35	50

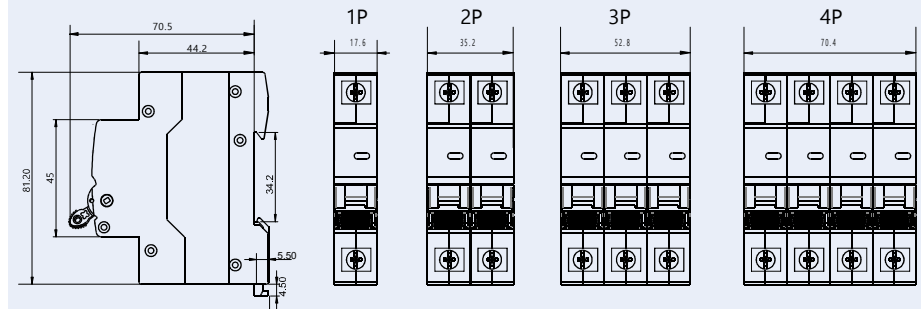
Installation and use

- Before installation, check whether the switch is consistent with the actual working conditions;
- The incoming power cable is connected from the top of the switch, and the lower end is connected to the cable. The copper wire should be tightened and not loose or exposed outside the wiring end.
- Before power, manually operate the switch several times, should be flexible and reliable, no blocking phenomenon;

Matters need attention:

The switch can carry the current under abnormal circuit conditions (short circuit) for a certain period of time, and may not frequently break the appropriate overload, but cannot be used to break the fault current.

Dimensions





Function

- Protect function: Overload, short circuit

Technical specification

- Standard: IEC/EN60898-1, GB10963.1
- Frame current (Im) : 80A
- Rated current(In) : 6, 10, 16, 20, 25, 32, 40, 50, 63, 80A
- Rated voltage (Ue) : 230V(1P, 1P+N), 400V(2P-4P, 3P+N)
- Rated impulse voltage(Ui): 500V
- Rated operating frequency: 50/60Hz
- Pole: 1P, 1P+N, 2P, 3P, 3P+N, 4P
- Trip curve: B, C, D
- Rated impulse withstand voltage (Uimp) : 4kV
- Mechanical life: 10000 time
- Electrical life : 6000 time
- Rated short-circuit breaking capacity(Icn) : 6, 10kA
- Rated operating breaking capacity (Ics) : 6, 7.5kA

Main feature

- Breaking capacity up to 10kA, strong attachment applicability
- Combined terminal with finger contact protection and red and green safety indication, higher safety
- Current limiting contact system, improve product life
- The shell and key parts are made of flame retardant, high temperature and impact resistant plastics
- Modular design, maximum rated current up to 80A
- Novel and unique appearance, complete certificate

Normal Operating Conditions and Installation Condition

- The ambient air temperature:-5~+40°C , Average not more than +35°C within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

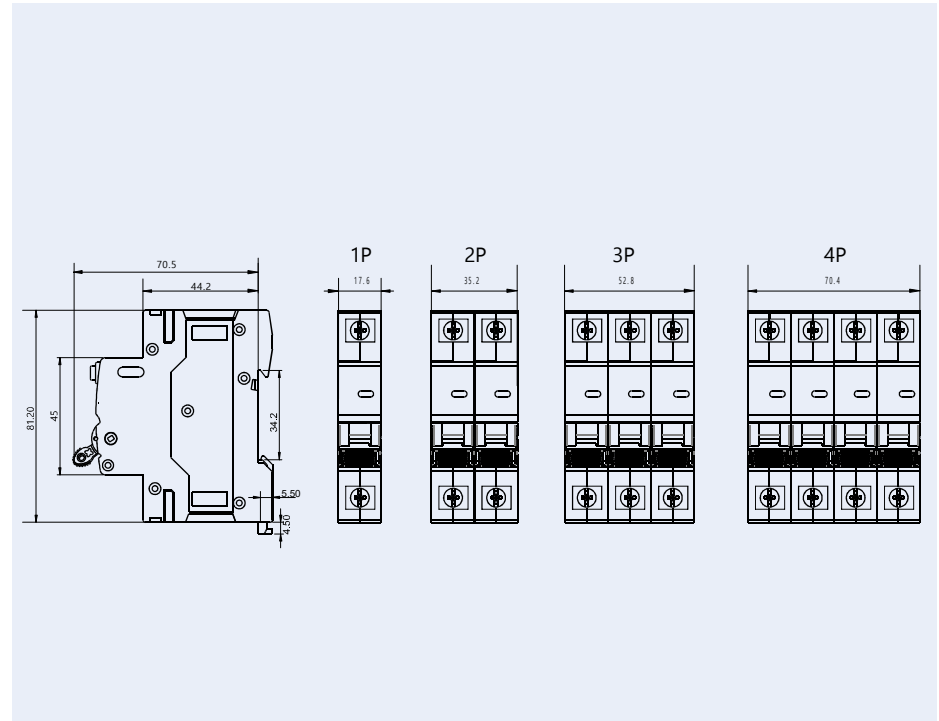
Copper wire connection

Rated current(In)	Copper wire connection (mm ²)
6A	1
10, 13A	1.5
16, 20A	2.5
25A	4
32A	6
40A	10
50, 63	16
80A	25
100A	35
125A	50

Character

Test	Type	Test Current	Initial State	Trip or non-trip time	expected result
a	B, C, D	1.13In	Cold state	t≤1h	No Trip
b	B, C, D	1.45In	followed by experiment a	t<1h	Trip
c	B, C, D	2.55In	Cold state	1s<t<60s(In≤32A) 1s<t<120s(In>32A)	Trip
d	B	3In	Cold state	t≤0.1s	No Trip
	C	5In			
	D	10In			
e	B	5In	Cold state	t<0.1s	Trip
	C	10In			
	D	15In			

Dimensions





Function

- Protect function: Overload, short circuit, leakage protection

Technical specification

- Standard: IEC/EN61009-1, GB16917.1
- Frame current (I_m) : 40A
- Rated current(I_n) : 6, 10, 16, 25, 32, 40A
- Rated voltage (U_e) : 230V
- Rated impulse voltage(U_i): 400V
- Rated operating frequency: 50/60Hz
- Pole: 1P+N
- Trip curve: B, C, D
- Rated residual operating current ($I_{\Delta n}$) : 10, 30, 100, 300mA
- Remaining action type: AC or A type
- Remaining operating time: < 0.1s
- Rated impulse withstand voltage (U_{imp}) : 4kV
- Mechanical life: 20000 time
- Electrical life : 6000 time
- Rated short-circuit breaking capacity (I_{cn}) : 6, 10kA

Main feature

- Breaking capacity up to 6kA, maximum rated current up to 40A
- Beautiful appearance, small size, width of only 18mm

Normal Operating Conditions and Installation Condition

- The ambient air temperature:-5~+40°C , Average not more than +35°C within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

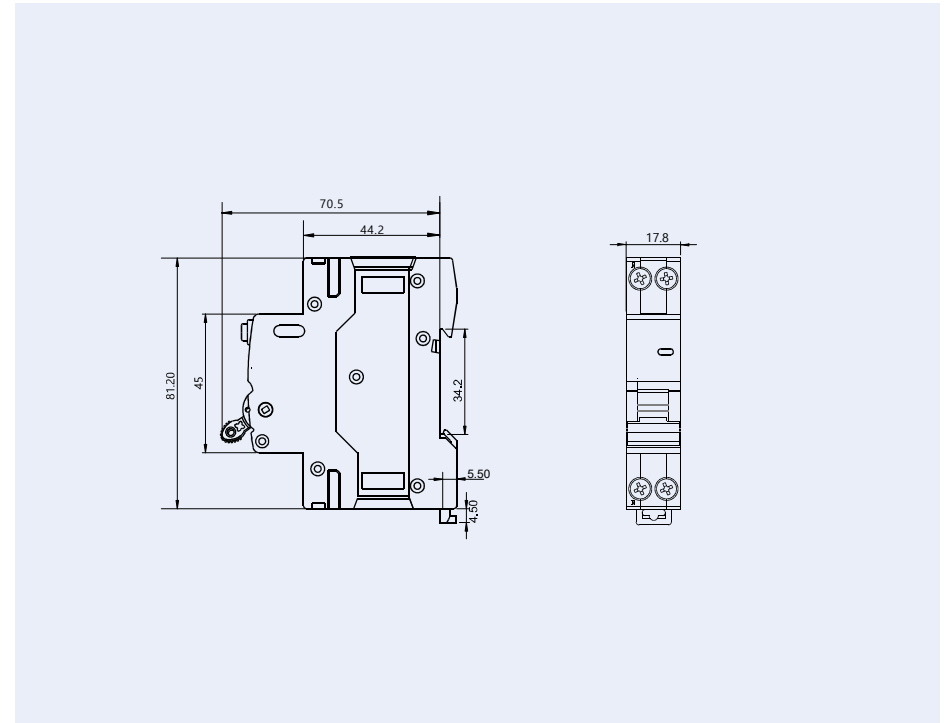
Copper wire connection

Rated current(I_n)	Copper wire connection (mm ²)
6A	1
10, 13A	1.5
16, 20A	2.5
25A	4
32A	6
40A	10
50, 63	16
80A	25
100A	35
125A	50

Character

Test	Type	Test Current	Initial State	Trip or non-trip time	expected result
a	B, C, D	1.13 I_n	Cold state	$t \leq 1h$	No Trip
b	B, C, D	1.45 I_n	followed by experiment a	$t < 1h$	Trip
c	B, C, D	2.55 I_n	Cold state	$1s < t < 60s (I_n \leq 32A)$ $1s < t < 120s (I_n > 32A)$	Trip
d	B	3 I_n	Cold state	$t \leq 0.1s$	No Trip
	C	5 I_n			
	D	10 I_n			
e	B	5 I_n	Cold state	$t < 0.1s$	Trip
	C	10 I_n			
	D	15 I_n			

Dimensions





Function

- Protect function: Overload, short circuit, leakage protection

General

- Standard: IEC/EN61009-1, GB16917.1
- Frame current (I_m) : 80A
- Rated current(I_n) : 6, 10, 16, 25, 32, 40, 50, 63, 80A
- Rated voltage (U_e) : 230V(1P+N, 2P), 400V(3P+N, 4P)
- Rated impulse voltage(U_i): 500V
- Rated operating frequency: 50/60Hz
- Pole: 1P+N, 2P, 3P+N, 4P
- Trip curve: B, C, D
- Rated residual operating current ($I_{\Delta n}$) : 10, 30, 100, 300mA
- Remaining action type: AC or A type
- Remaining operating time: $< 0.1s$
- Rated impulse withstand voltage (U_{imp}) : 4kV
- Mechanical life: 20000 time
- Electrical life : 10000 time
- Rated short-circuit breaking capacity(I_{cn}) : 6, 10kA

Main feature

- Breaking capacity up to 10kA, strong attachment applicability
- Both L and N poles have overload protection functions
- Beautiful appearance, small size, width is only 36mm
- Adjustable rated leakage current can be customized
- Modular design, maximum rated current up to 80A

Normal Operating Conditions and Installation Condition

- The ambient air temperature:-5~+40°C , Average not more than +35°C within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

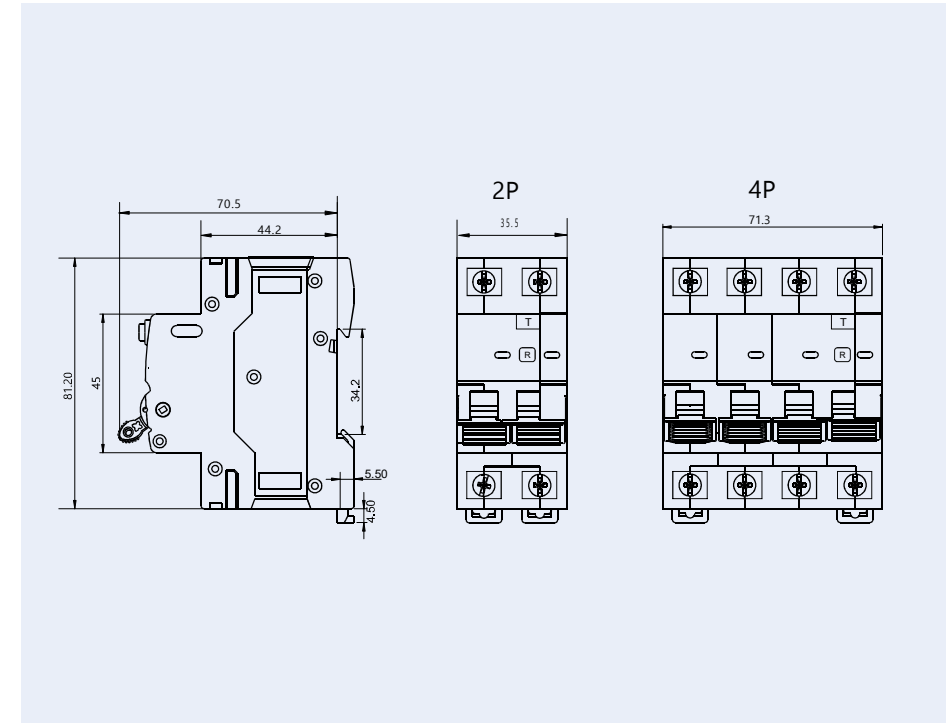
Copper wire connection

Rated current(I_n)	Copper wire connection (mm ²)
6A	1
10, 13A	1.5
16, 20A	2.5
25A	4
32A	6
40A	10
50, 63	16
80A	25
100A	35
125A	50

Character

Test	Type	Test Current	Initial State	Trip or non-trip time	expected result
a	B, C, D	1.13 I_n	Cold state	$t \leq 1h$	No Trip
b	B, C, D	1.45 I_n	followed by experiment a	$t < 1h$	Trip
c	B, C, D	2.55 I_n	Cold state	1s<t<60s($I_n \leq 32A$) 1s<t<120s($I_n > 32A$)	Trip
d	B	3 I_n	Cold state	$t \leq 0.1s$	No Trip
	C	5 I_n			
	D	10 I_n			
e	B	5 I_n	Cold state	$t < 0.1s$	Trip
	C	10 I_n			
	D	15 I_n			

Dimensions





Function

- Overload, short circuit, leakage, over voltage, under voltage, over temperature protection

General

- Standard: IEC/EN61009-1, GB16917.1
- Frame current (Im) : 100A
- Rated current(In) : 6、10、16、25、32、40、50、63、80A
- Rated voltage (Ue) : 230V(1P+N, 2P), 400V(3P+N, 4P)
- Rated impulse voltage(Ui): 500V
- Rated operating frequency: 50/60Hz
- Pole: 1P+N, 2P, 3P+N, 4P
- Trip curve: C, D
- Rated residual operating current (IΔn) : 30, 100, 300mA
- Remaining action type: AC or A type
- Remaining operating time: < 0.1s
- Overvoltage protection setting: 270V±10V
- undervoltage protection setting: 170V±10V
- Temperature protection setting: 80°C±10°C
- Overload protection setting: 6A~100A
- Load end L, N, PE flooding alarm;
- Rated impulse withstand voltage (Uimp) : 4kV
- Mechanical life: 20000 time
- Electrical life : 10000 time
- Rated short-circuit breaking capacity(Icn) : 6、10kA

product superiority

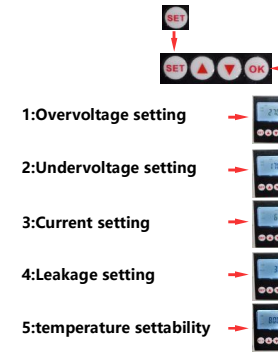
- Beautiful appearance, small size, compact structure
- Set a variety of functions in one, strong protection ability
- Modular design, maximum rated current up to 100A
- The product has waterproof function design, and the protection ability is stronger

matters need attention

- The leakage circuit breaker shall not be attacked by rain or snow during transportation, storage and use.
- Before installation, check whether the basic technical data of the label and the logo meet the requirements (the selected current size should be realistic Use matches); Manual operation several times the action should be flexible, confirm intact, before installation; When installing, Wires that can withstand the corresponding carrying capacity should be selected and installed strictly according to the diagram.
- running check :
 - Check whether the wiring is correct, especially to check that the input end of the leakage circuit breaker should be connected to the power supply, and the output end should be connected to the load.
 - Ensure that the screws of each terminal have pressed the wires and that the wires are in the corresponding wiring frame.
 - Close the leakage circuit breaker and press the test button to check whether the leakage protection performance is normal and reliable, If the leakage circuit breaker can be disconnected normally, the indicator is red.
- After the leakage circuit breaker runs for a certain time (generally one month), it is necessary to press the test button in the closed power state. Check whether the leakage protection performance is normal and reliable (press the test button once a month, the leakage circuit breaker should be broken once); If the inspection fails, it should be unloaded and sent to the manufacturer for repair.
- The neutral line (N) at the outgoing end can only serve as the working neutral line, not the protection neutral line.
- When the leakage can exit model is selected, the leakage "exit" function of the circuit breaker is an emergency use function, only for professionals It is used by power supply maintenance personnel during emergency maintenance. After maintenance, the leakage protection function must be put into the state immediately.

keys operation

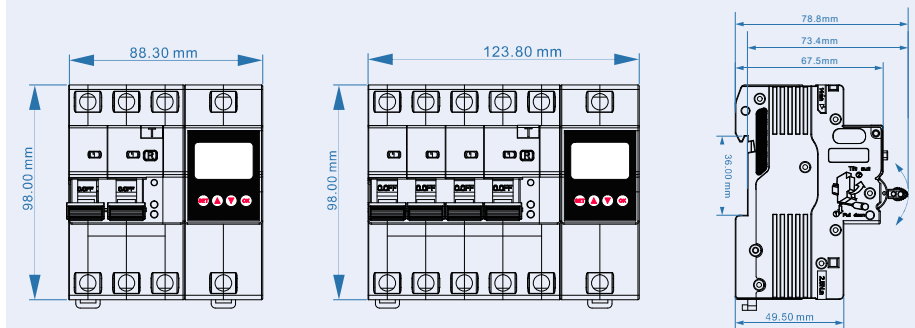
set



view



Dimensions





Function

- Protect function: Overload, short circuit

Technical specification

- Standard: IEC/EN60898-1, GB10963.1
- Frame current (I_m) : 125A
- Rated current(I_n) : 32, 40, 50, 63, 80, 100, 125A
- Rated voltage (U_e) : 230V(1P, 1P+N), 400V(2P-4P, 3P+N)
- Rated impulse voltage(U_i): 500V
- Rated operating frequency: 50/60Hz
- Pole: 1P, 1P+N, 2P, 3P, 3P+N, 4P
- Trip curve: B, C, D
- Rated impulse withstand voltage (U_{imp}) : 4kV
- Mechanical life: 20000 time
- Electrical life : 10000 time
- Rated short-circuit breaking capacity(I_{cn}) : 6, 10kA
- Rated operating breaking capacity (I_{cs}) : 6, 7.5kA

Main feature

- Modular design, maximum rated current up to 125A
- Current limiting contact system, improve product life
- Unique shape, breaking capacity up to 10kA
- The shell and key parts are made of flame retardant, high temperature and impact resistant plastics

Normal Operating Conditions and Installation Condition

- The ambient air temperature: $-5 \sim +40^\circ\text{C}$, Average not more than $+35^\circ\text{C}$ within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

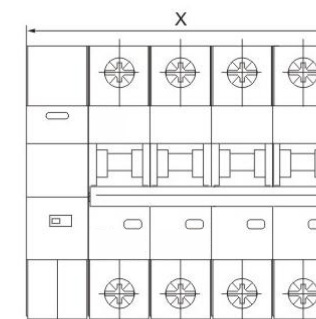
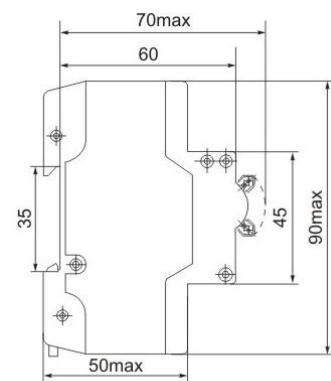
Copper wire connection

Rated current(I_n)	Copper wire connection (mm^2)
6A	1
10, 13A	1.5
16, 20A	2.5
25A	4
32A	6
40A	10
50, 63	16
80A	25
100A	35
125A	50

Character

Test	Type	Test Current	Initial State	Trip or non-trip time	expected result
a	B, C, D	$1.13I_n$	Cold state	$t \leq 1h$	No Trip
b	B, C, D	$1.45I_n$	followed by experiment a	$t < 1h$	Trip
c	B, C, D	$2.55I_n$	Cold state	$1s < t < 60s (I_n \leq 32A)$ $1s < t < 120s (I_n > 32A)$	Trip
d	B	$3I_n$	Cold state	$t \leq 0.1s$	No Trip
	C	$5I_n$			
	D	$10I_n$			
e	B	$5I_n$	Cold state	$t < 0.1s$	Trip
	C	$10I_n$			
	D	$15I_n$			

Dimensions



其中X为：54max(1P+N, 2P)/90max(3P+N, 4P)



Function

- Overload, short circuit, over voltage, under voltage, no voltage protection
- wifi reclosing, RS485 (remote control on/off circuit)

Technical specification

- Standard: IEC/EN60898-1, GB10963.1
- Frame current (Im) : 125A
- Rated current(In) : 32, 40, 50, 63, 80, 100, 125A
- Rated voltage (Ue) : 230V(1P, 1P+N), 400V(2P-4P, 3P+N)
- Rated impulse voltage(Ui): 500V
- Rated operating frequency: 50/60Hz
- Pole: 1P, 1P+N, 2P, 3P, 3P+N, 4P
- Trip curve: B, C, D
- Undervoltage operation range: 44V±5V, delay time: 0~10s
- Overvoltage operation range: 300V±5V, delay time: 0~10s
- Voltage loss operation range: control power supply voltage <20%Un, delay time 0~10s
- Automatic cooperation time: 0~10s
- Rated impulse withstand voltage (Uimp) : 4kV
- Mechanical life: 20000 time
- Electrical life : 10000 time
- Rated short-circuit breaking capacity(Icn) : 6, 10kA
- Rated operating breaking capacity (Ics) : 6, 7.5kA

Main feature

- Support customization, wifi, RS485, photovoltaic reclosing and other functions are optional
- Modular design, maximum rated current up to 125A

Normal Operating Conditions and Installation Condition

- The ambient air temperature: -5~+40°C , Average not more than +35°C within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

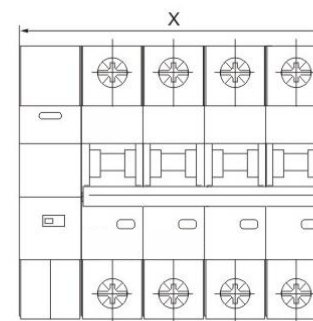
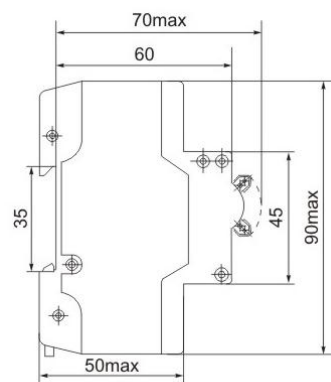
Copper wire connection

Rated current(In)	Copper wire connection (mm ²)
6A	1
10, 13A	1.5
16, 20A	2.5
25A	4
32A	6
40A	10
50, 63	16
80A	25
100A	35
125A	50

Character

Test	Type	Test Current	Initial State	Trip or non-trip time	expected result
a	B, C, D	1.13In	Cold state	t≤1h	No Trip
b	B, C, D	1.45In	followed by experiment a	t<1h	Trip
c	B, C, D	2.55In	Cold state	1s<t<60s(In≤32A) 1s<t<120s(In>32A)	Trip
d	B	3In	Cold state	t≤0.1s	No Trip
	C	5In			
	D	10In			
e	B	5In	Cold state	t<0.1s	Trip
	C	10In			
	D	15In			

Dimensions



其中X为：54max(1P+N, 2P)/90max(3P+N, 4P)

WIFI Access Settings

- Scan the QR code in the upper right corner, download and install the Doodle Smart APP, register and log in
- Turn on the Bluetooth function of the mobile phone, power on the product, and the indicator light flashes slowly into the distribution network. The home page of the APP will pop up nearby devices (or click + in the upper right corner) to add devices and select the corresponding ones. Enter the name and password, click next to complete the distribution network (only support 2.4G wireless, not currently supported). The Wi-Fi name and password contain Chinese characters, otherwise the addition will fail.)

Note: This product is a remote control switch, please use with caution;

Status indicator

- Steady green: The voltage is normal
- Blinking red: The power supply is overvoltage
- Steady red: The power supply is underpowered
- Status indicator Steady on: The power supply is out of voltage



Function

- Protect function: Leakage protection

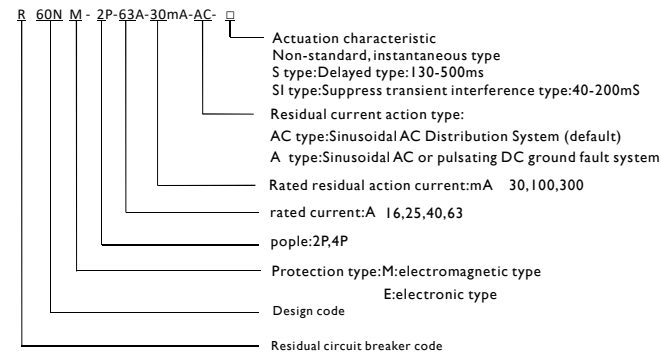
General

- Standard: IEC/EN61008-1, GB16916.1
- Frame current (I_m) : 63A
- Rated current(I_n) : 16, 25, 32, 40, 63A
- Rated voltage (U_e) : 230V(2P), 400V(4P)
- Rated impulse voltage(U_i): 500V
- Rated operating frequency: 50/60Hz
- Pole: 2P, 4P
- Trip curve: B, C, D
- Rated residual operating current ($I_{\Delta n}$) : 10, 30, 100, 300mA
- Remaining action type: AC or A type
- Rated impulse withstand voltage (U_{imp}) : 4kV
- Mechanical life: 10000 time
- Electrical life : 6000 time
- Rated short-circuit breaking capacity (I_{cn}) : 4.5, 6kA

Main feature

- High cost performance, breaking capacity up to 6kA
- Product serialization, provide customers with a variety of choices
- Beautiful appearance, new upgrade, can seamlessly replace the original old C45 circuit breaker products

Model and Definition



Normal Operating Conditions and Installation Condition

- The ambient air temperature: $-5 \sim +40^\circ\text{C}$, Average not more than $+35^\circ\text{C}$ within 24 hours.
- Altitude(m): Not exceed 2000 meters
- Pollution degree: Class 2
- Installation category: II
- Mounting: On Din rail TH35-7.5 mounting rail installation
- Protection degree: IP20

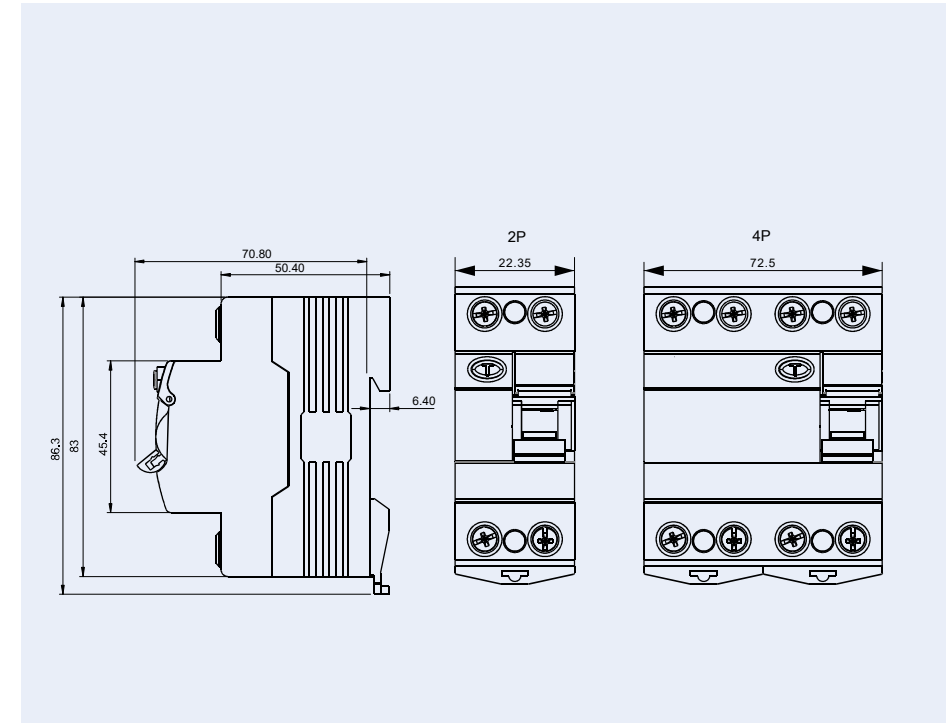
Residual current breaking time

rated current I_n (A)	Rated residual action current $I_{\Delta n}$ (mA)	Residual current breaking time(s)		
16, 25, 40, 63	30, 100, 300	$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$
		0.1	0.08	0.04

Copper wire connection

	Rated residual action current $I_{\Delta n}$ (mA)									
	6A	10, 13A	20, 16A	25A	32A	40A	50, 63A	80A	100A	125A
Copper wire connection (mm ²)	1	1.5	2.5	4	6	10	16	25	35	50

外形及安装尺寸





Function

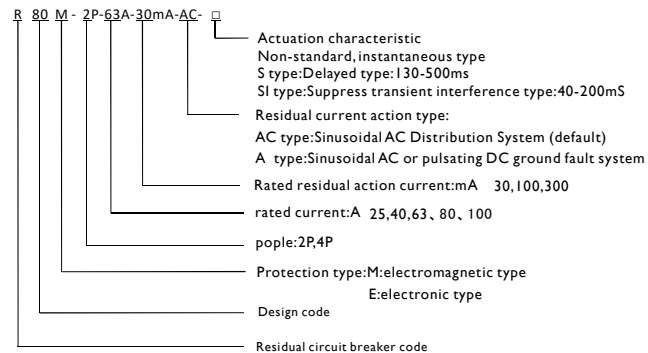
- Protect function: Leakage protection

General

- Standard: IEC/EN61008-1, GB16916.1
- Frame current (I_m) : 100A
- Rated current(I_n) : 16, 25, 32, 40, 63, 80, 100A
- Rated voltage (U_e) : 230V(2P), 400V(4P)
- Rated impulse voltage(U_i): 500V
- Rated operating frequency: 50/60Hz
- Pole: 2P, 4P
- Rated residual operating current ($I_{\Delta n}$) : 30, 100, 300mA
- Remaining action type: AC or A type
- Rated impulse withstand voltage (U_{imp}) : 4kV
- Mechanical life: 10000 time
- Electrical life : 6000 time
- Rated short-circuit breaking capacity (I_{cn}) : 6, 10kA

Main feature

- High cost performance, breaking capacity up to 6kA
- Product serialization, provide customers with a variety of choices
- Beautiful appearance, new upgrade, can seamlessly replace the original old C45 circuit breaker products



Normal Operating Conditions and Installation Condition

- The ambient air temperature: $-5 \sim +40^\circ\text{C}$, Average not more than $+35^\circ\text{C}$ within 24 hours.
- Altitude(m): Not exceed 2000 meters
- Pollution degree: Class 2
- Installation category: II
- Mounting: On Din rail TH35-7.5 mounting rail installation
- Protection degree: IP20

剩余电流动作时间

rated current I_n (A)	Rated residual action current $I_{\Delta n}$ (mA)	Residual current breaking time(s)		
16, 25, 40, 63	30, 100, 300	$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$
		0.1	0.08	0.04

铜导线连接

	Rated residual action current $I_{\Delta n}$ (mA)									
	6A	10, 13A	20, 16A	25A	32A	40A	50, 63A	80A	100A	125A
连接铜导线 (mm ²)	1	1.5	2.5	4	6	10	16	25	35	50

外形及安装尺寸

