

SNDQI

低压配电系列

样本手册

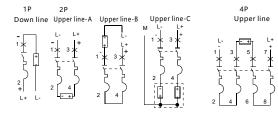
SNOQI ELECTRICAL CO.,LTD.

Add:Yueqing City north Baixiang town bridge industrial zone Wenzhou Zhejiang,China
Mob:86-18357785687

Character

Test	Туре	Test Current Initial State		Trip or non-trip time	expected result
а	С	1.05In	Cold state	t≤1h	No Trip
b	С	1.3In	followed by experiment a	t<1h	Trip
С	С	2.55In	Cold state	1s <t<60s(in≤32a) 1s<t<120s(in>32A)</t<120s(in></t<60s(in≤32a) 	Trip
d	С	8In	Cold state	t≤0.2s	No Trip
е	С	12In	Cold state	t<0.2s	Trip

wiring diagram



wiring instructions: 1 L+:positive pole, L-: negative pole; 2 +: breaker positive, -: Breaker negative;

3-+ : Load; 4 Dc power supply "L-" ground connection, Positive and negative

power system neutral pole "M" grounding;

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

Function

Protect function: Overload, short circuit

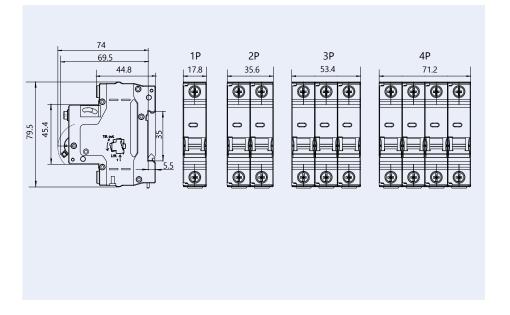
Technical specification

- Stanard: IEC/EN60947-2,GB14048.2
- Frame current (Im): 63A
- Rated current(In): 6, 10, 16, 20, 25, 32, 40, 50, 63A
- Rated voltage (Ue): 250V(1P), 500V(2P), 1000V(4P)
- Rated impulse voltage(Ui): 500V
- Pole: 1P, 2P, 4P
- Trip curve: B, C
- Rated impulse withstand voltage (Uimp): 4kV
- Mechanical life: 10000 time
- Electrical life : 1500 time
- Rated short-circuit breaking capacity (Icu): 4.5、6kA
- Rated operating breaking capacity (Ics): 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

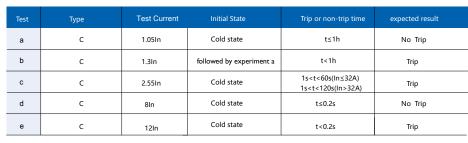
Dimensions



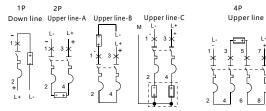


M80DC High break series circuit breaker





wiring diagram



wiring instructions: 1 L+:positive pole, L-: negative pole; 2 +: breaker positive, -: Breaker negative;

3-+--: Load; 4 Dc power supply "L-" ground connection, Positive and negative

power system neutral pole "M" grounding;

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 (mm²)
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

Function

Protect function: Overload, short circuit

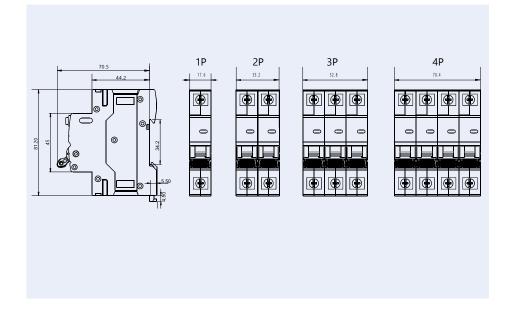
Technical specification

- Stanard: IEC/EN60947-2,GB14048.2
- Frame current (Im): 80A
- Rated current(In): 6, 10, 16, 20, 25, 32, 40, 50, 63, 80A
- Rated voltage (Ue): 250V(1P), 500V(2P), 1000V(4P)
- Rated impulse voltage(Ui): 500V
- Pole: 1P, 2P, 4P
- Trip curve: B, C
- Rated impulse withstand voltage (Uimp) : 4kV
- Mechanical life: 10000 time
- Electrical life :2000 time
- Rated short-circuit breaking capacity (Icu): 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 temp
 -erature and impact resistant plastics
- Modular design, maximum rated current up to 80A
- Novel and unique appearance, complete certificate

Dimensions





M100DC High break series circuit breaker

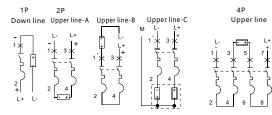


M100DC High break series circuit breaker



Test	Туре	Test Current Initial State		Trip or non-trip time	expected result	
а	С	1.05In	Cold state	t≤1h	No Trip	
b	С	1.3In	followed by experiment a	t<1h	Trip	
С	С	2.55In	Cold state	1s <t<60s(in≤32a) 1s<t<120s(in>32A)</t<120s(in></t<60s(in≤32a) 	Trip	
d	С	8In	Cold state	t≤0.2s	No Trip	
е	С	12In	Cold state	t<0.2s	Trip	

wiring diagram

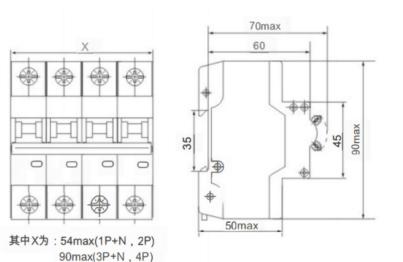


wiring instructions: 1 L+:positive pole, L-: negative pole; 2 +: breaker positive, -: Breaker negative;

power system neutral pole "M" grounding;

3 – + - : Load; 4 Dc power supply "L-" ground connection, Positive and negative

Dimensions





Function

Protect function: Overload, short circuit

Technical specification

Stanard: IEC/EN60947-2,GB14048.2

Frame current (Im): 125A

• Rated current(In): 32, 40, 50, 63, 80, 100, 125A

Rated voltage (Ue): 250V(1P), 500V(2P), 1000V(4P)

Rated impulse voltage(Ui): 500V

Pole: 1P, 2P, 4P

Trip curve: B, C

Rated impulse withstand voltage (Uimp): 4kV

Mechanical life: 10000 time

■ Electrical life : 2000 time

Rated short-circuit breaking capacity (Icu): 6, 10kA

• Rated operating breaking capacity (Ics): 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

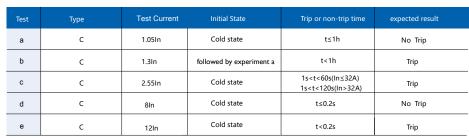
Normal Operating Conditions and Installation Condition

- The ambient air temperature:-5~+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 (mm²)
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







Protect function: Overload, short circuit

Technical specification

- Stanard: IEC/EN60947-2,GB14048.2
- Frame current (Im): 80A
- Rated current(In): 32, 40, 50, 63, 80A
- Rated voltage (Ue): 400V(1P), 800V(2P), 1200V(4P)
- Rated impulse voltage(Ui): 600V
- Pole: 1P, 2P, 4P
- Trip curve: B、C
- Rated impulse withstand voltage (Uimp): 4kV
- Mechanical life: 10000 time
- Electrical life : 2000 time
- Rated short-circuit breaking capacity (Icu): 6, 10kA
- Rated operating breaking capacity (Ics): 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

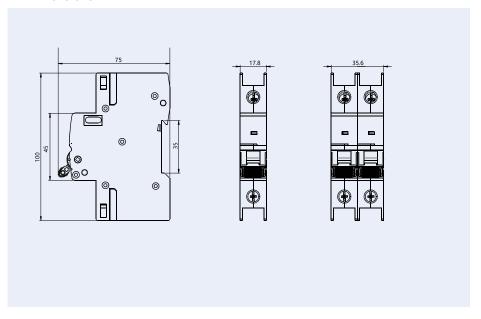
Normal Operating Conditions and Installation Condition

- The ambient air temperature:-5~+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 (mm²)
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

Dimensions







The product ensures reliable action against sinusoidal AC residual current, pulsed DC residual current, AC residual sinusoidal current (up to 1000Hz), pulsed DC residual current, and smooth DC residual current, whether applied suddenly or increased slowly.

Technical specification

- Stanard: IEC62423、IEC61009.1、GB22794、GB16917.1
- Frame current (Im): 80A
- Rated current(In): 6, 10, 16, 25, 32, 40, 50, 63, 80A
- Rated voltage (Ue): 230V(1P+N), 400V(3P+N)
- Rated impulse voltage(Ui): 500V
- Pole: 1P+N, 3P+N
- Trip curve: B、C
- Rated residual operating current (IAn): 30, 100, 300mA
- Direct current current flow as sensitivity (I△ndc): 0.5~2 I△n
- Remaining action type: Type B
- Rated impulse withstand voltage (Uimp): 4kV
- Mechanical life: 20000 time
- Electrical life: 6000 time
- Rated short-circuit breaking capacity (Icn): 4.5, 6kA

Main feature

- Modular design, maximum rated current up to 80A
- Both L and N poles have overload protection functions
- More comprehensive leakage protection to maximize reliability and safety

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

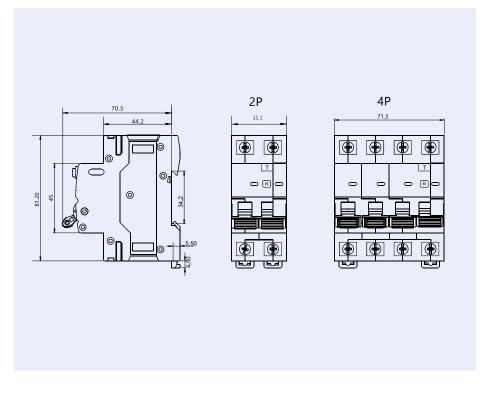
Copper wire connection

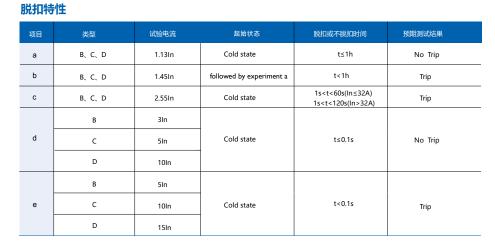
Rated current(In)	Copper wire connection (mm²)
6A	1
10、13A	1.5
16、20A	2.5
25A	4
32A	6
40A	10
50、63	16
80A	25
100A	35
125A	50

脱扣特性

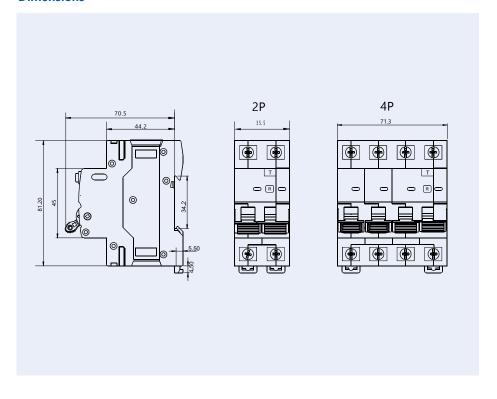
项目	类型	试验电流	起始状态	脱扣或不脱扣时间	预期测试结果	
а	B、C、D	1.13In	Cold state	t≤1h	No Trip	
b	B, C, D	1.45In	followed by experiment a	t<1h	Trip	
С	B, C, D	2.55In	Cold state	1s <t<60s(in≤32a) 1s<t<120s(in>32A)</t<120s(in></t<60s(in≤32a) 	Trip	
	В	3In			No Trip	
d	С	5In	Cold state	t≤0.1s		
	D	10ln	13In Cold state t≤1h 45In followed by experiment a t<1h 15 <t 120s(ln≥32a)="" 1n="" 1s<t="" 60s(ln≤32a)="" <="" cold="" state="" state<="" t<0.1s="" td="" t≤0.1s="" =""><td></td></t>			
	В	5ln				
е	С	10In	Cold state	t<0.1s	Trip	
	D	2.55In Cold state 3In 5In Cold state 10In 5In				

Dimensions





Dimensions



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Function

The product ensures reliable action against sinusoidal AC residual current, pulsed DC residual current, AC residual sinusoidal current (up to 1000H2), pulsed DC residual current, and smooth DC residual current, whether applied suddenly or increased slowly.

Technical specification

- Stanard: IEC62955、IEC61009.1
- Frame current (Im): 80A
- Rated current(In): 6, 10, 16, 25, 32, 40, 50, 63, 80A
- Rated voltage (Ue): 230V(1P+N), 400V(3P+N)
- Rated impulse voltage(Ui): 500V
- Pole: 1P+N, 3P+N
- Trip curve: B, C
- Rated residual operating current (I△n): 30mA
- Direct current current flow as sensitivity (I△ndc) : 6mA
- Remaining action type: Type B
- Rated impulse withstand voltage (Uimp) : 4kV
- Mechanical life: 20000 time
- Electrical life: 6000 time
- Rated short-circuit breaking capacity (Icn): 4.5, 6kA

Main feature

- Modular design, maximum rated current up to 80A
- Both L and N poles have overload protection functions
- More comprehensive leakage protection to maximize reliability and safety

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 (mm²)
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



The product ensures reliable action against sinusoidal AC residual current, pulsed DC residual current, AC residual sinusoidal current (up to 1000Hz), pulsed DC residual current, and smooth DC residual current, whether applied suddenly or increased slowly.

General

- Stanard: IEC62423、IEC61008.1、GB22794、GB16916.1
- Frame current (Im): 100A
- Rated current(In): 16, 25, 32, 40, 63, 80, 100A
- Rated voltage (Ue): 230V(2P), 400V(4P)
- Rated impulse voltage(Ui): 500V
- Rated operating frequency:50/60Hz
- Pole: 2P, 4P
- Rated residual operating current (IΔn): 30, 100, 300mA
- Direct current current flow as sensitivity (IAndc): 0.5~2 IAn
- Remaining action type: Type B
- Rated impulse withstand voltage (Uimp): 4kV
- Mechanical life: 10000 time
- Electrical life :6000 time
- Rated short-circuit breaking capacity (Icn): 6, 10kA

Main feature

- Breaking capacity up to 10kA, maximum rated current 100A
- · More comprehensive leakage protection to maximize reliability and safety

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

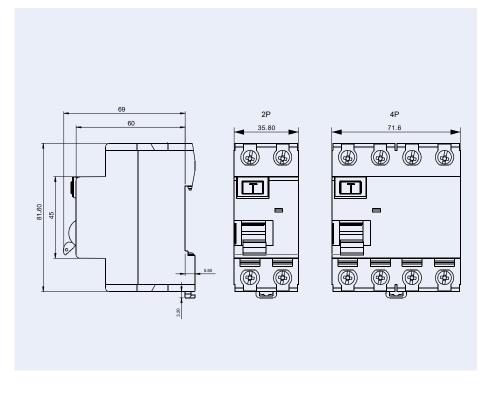
Copper wire connection

Rated current(In)	Copper wire connection (mm²)
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

Remaining current operation time								
rated current In(A)	current breaking	ng time(s)						
	30、100、300	l△n	2l△n	5l≙n				
16、25、40、63	30, 100, 300	0.1	0.08	0.04				

Copper wire connection										
	Rated residual action current In (mA)									
	6A	10、13A	20、16A	25A	32A	40A	50、63A	80A	100A	125A
Connecting copper wire (mm²)	1	1.5	2.5	4	6	10	16	25	35	50

Dimensions





The product ensures reliable action against sinusoidal AC residual current, pulsed DC residual current, AC residual sinusoidal current (up to 1000Hz), pulsed DC residual current, and smooth DC residual current, whether applied suddenly or increased slowly.

General

- Stanard: IEC62955、IEC61008.1、GB16916.1
- Frame current (Im): 100A
- Rated current(In): 16, 25, 32, 40, 63, 80, 100A
- Rated voltage (Ue): 230V(2P), 400V(4P)
- Rated impulse voltage(Ui): 500V
- Rated operating frequency:50/60Hz
- Pole: 2P, 4P
- Rated residual operating current (IΔn): 30mA
- Direct current current flow as sensitivity (I^Andc): 6mA
- Remaining action type: Type EV
- Rated impulse withstand voltage (Uimp): 4kV
- Mechanical life: 10000 time
- Electrical life :6000 time
- Rated short-circuit breaking capacity (Icn): 6, 10kA

Main feature

- Breaking capacity up to 10kA, maximum rated current 100A
- · More comprehensive leakage protection to maximize reliability and safety

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					

Remaining current operation time								
rated current In(A)	Rated residual action current IAn (mA)	Residual current breaking time(s)						
16、25、40、63	30、100、300	l△n	2l△n	5l≙n				
	30, 100, 300	0.1	0.08	0.04				

Copper wire connection											
	Rated residual action current lan (mA)										
	6A	10、13A	20、16A	25A	32A	40A	50、63A	80A	100A	125A	
Connecting copper wire (mm²)	1	1.5	2.5	4	6	10	16	25	35	50	

Dimensions

