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These are only a part of our products in this guide catalogue,if you need more information,please contact us; Because of rapid product technology innovation,the products in this guide should be based on practical products or user manual, if any changements,please forgive us not to inform separately.



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MINI CIRCUIT BREAKER SERIES



SHANGHAI XINCHI ELECTRIC CO.,LTD.
www.china-suntree.com



Innovative technology leads to better future.
professional working makes excellent quality.



Company Profile

ShangHai XinChi Electric Co., Ltd is a group company, There are four branch companies subordinate to it: Yueqing XinChi Electric&Science Technology Co.,LTD, YueQing IMP and EXP Co., Ltd. HK Yangming Electrical Technology Co., Ltd. Wenzhou Litto smart Co., Ltd. Registered trademark is "suntree".

ShangHai XinChi Electric Co., Ltd. is one of the most professional manufacturers producing low-voltage and high-voltage electrical products, we mainly produce circuit breakers, contactors, and thermal overload relay. Fuse, Switch-disconnectors, ATS, Distribution box, SPD, SSR, Transformer, Relay, Button and signal lantern, Regulator, Switching power supply, and solar connector, DC circuit breaker, solar cable, DC Switch-disconnectors, DC combiner box and so on.

As an ISO9001:2008 certified company, we have obtained many certificates, Such as IEC60947, IEC60898, CB, SAA, TUV, CE, SONCAP, RoHS, Nemko, PCT, CCC etc.

Stability, expertise and technological innovation are the corner stones of the company's business strategy.

Aiming at reliable product quality and highest customers satisfaction, we are consistently deepening enterprise inner reform and fully carry out quality guarantee system. Such as the quality of all products is insured under PICC, fully guaranteed consumers, rights. With special cultivation of employees, high investment on production facilities and R&D, and wide range of products, we advocate technology innovation, business honesty and trust and always put quality as our basic principles, trying to develop into a world-class electrical manufacturer with constant efforts.

Technology Innovation, Famous in the world.



MCB and Accessories

- Provide miniature circuit breaker lockouts.
- B,C,D Curve performance for general applications.

01-34



ELCB / RCD

- Provide security Leakage protection
- 30,100,300,500mA optional.
- Provide A curve.

35-62



Surge protective device

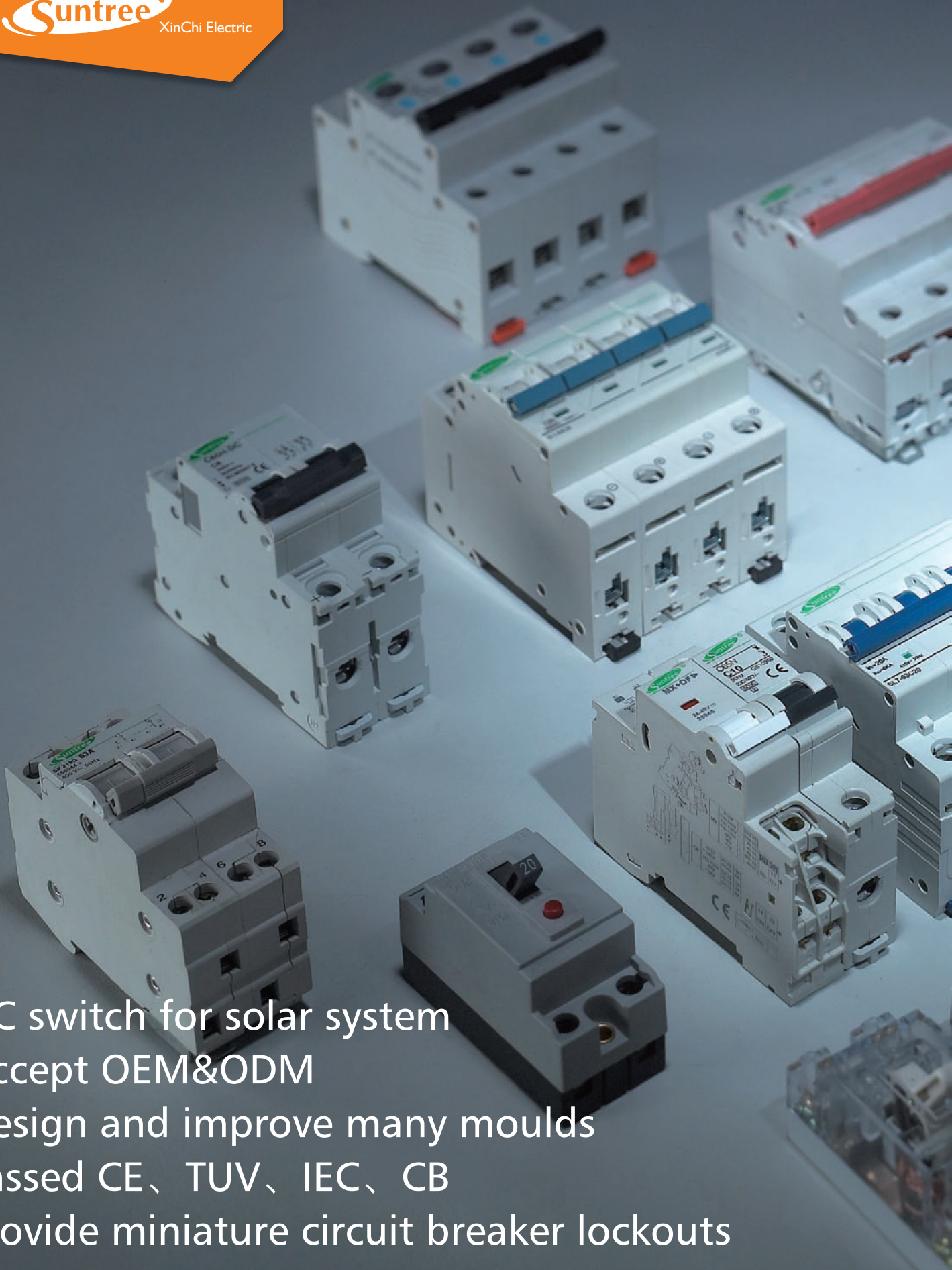
- Ploe:1P,2P,3P+NPE,4P
- 20/40kA~60/120kA

Household AC Contactor

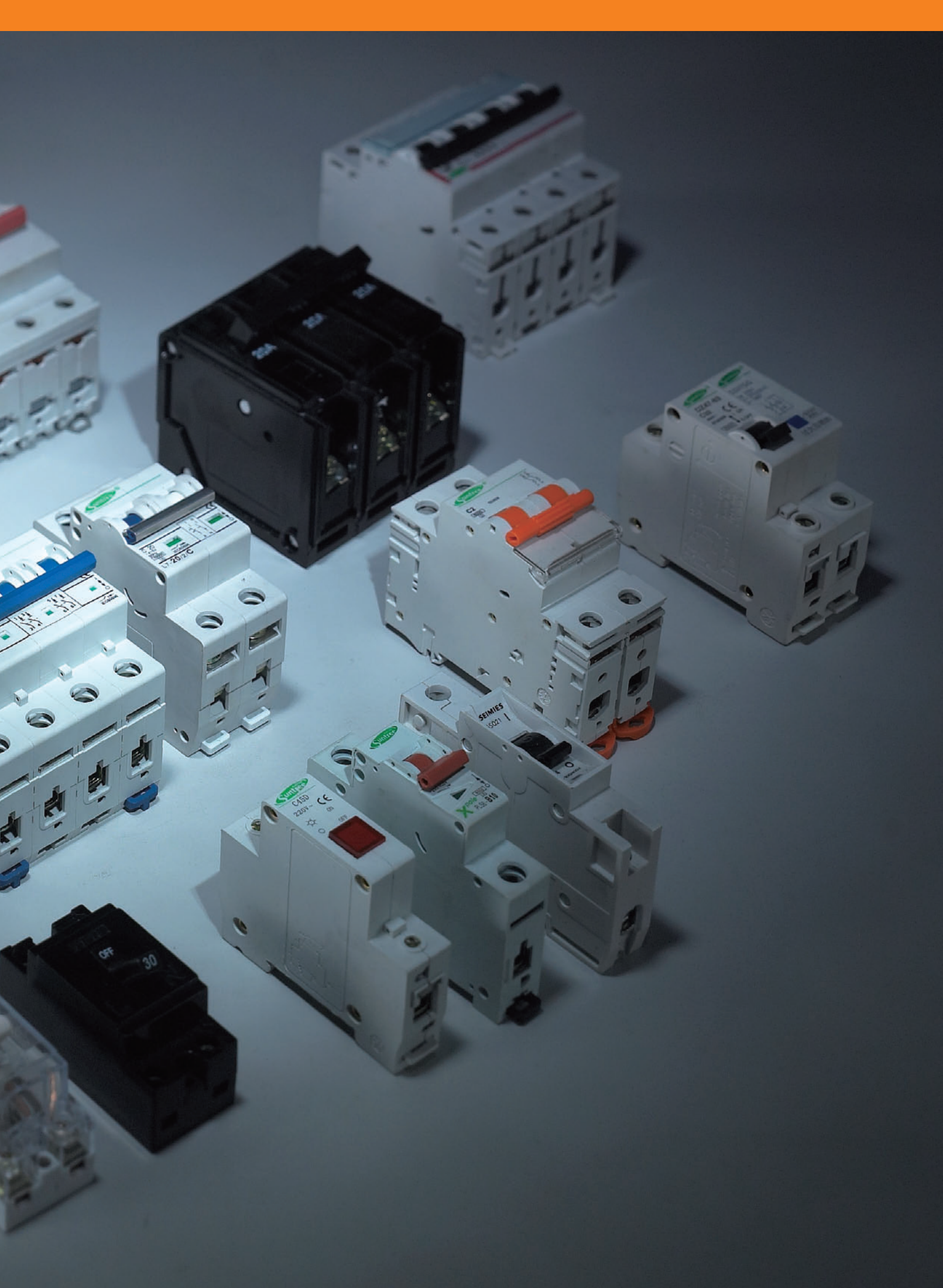
- Max current: 63A

63-69

CONTENTS



DC switch for solar system
Accept OEM&ODM
Design and improve many moulds
Passed CE、TUV、IEC、CB
Provide miniature circuit breaker lockouts



Keyword: 1-63A, 1, 1+N, 2, 3, 3+N, 4 Pole, IEC60947-2, SAA, CE, TUV, CB, Nemko, Square indicator window
SL7-63 MCB

Application

SL7-63 have protective function as shortage as overload, and are used in lighting distribution system in commerce and dwelling, and protect fractional electric motors. And they also have many merits of high protective grade (up to IP20), high breaking capacity, reliable sensitive action, convenient, multi pole assembling, long life ect. They are mainly adapted to the circuit of AC 50Hz, 250V in single pole, 415V in double, three, four poles for protecting overload and short circuit. Mean while, they are also used in turning on or off the electric apparatus and lighting circuit under the normal conditions.



Transparent shell

We supply more comprehensive security: SAFE LOCK, Detailed installation process as follow:



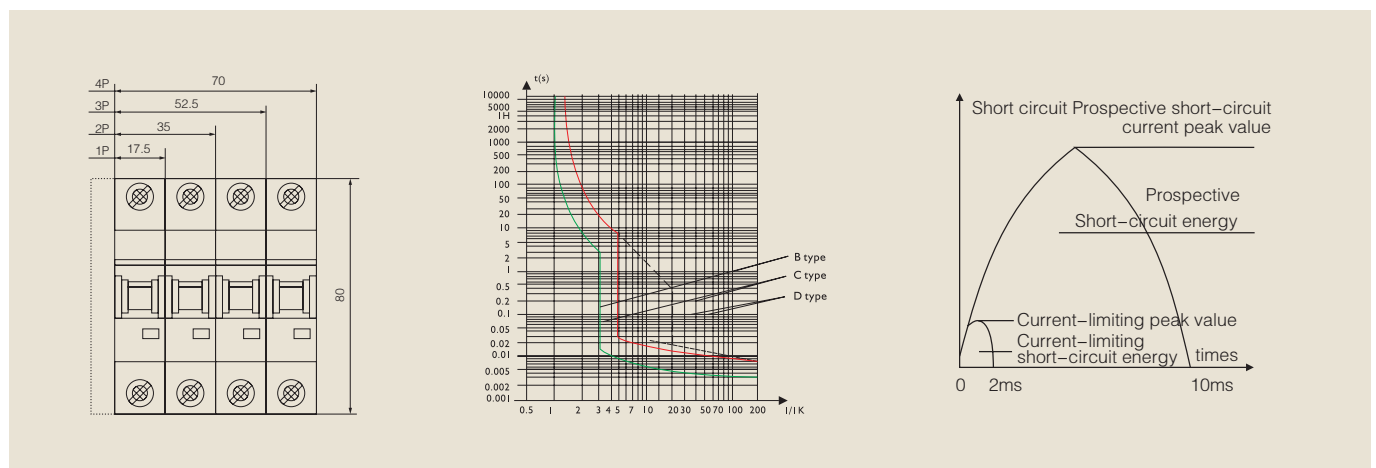
*Applies to all SL7 products

Specifications

Standard	EN60898(IEC60898); IEC60947-2
Rated current	1-63A
Rated Breaking capacity	6,10kA IEC60898(0.5~63A) 6,10,15kA IEC60947-2(0.5~63A)
Characteristic curve	B,C,D
Max. fuse that can be connected to	100AgL(>10kA)
Selective grade	3
Working ambient temperature	-5°C ~ +40°C
Enclosed protective class	IP20
Electrical life	Not less than 8000 times
Mechanical life	Not less than 20000 times

● Complete accessories

Dimensions / Characteristics curves



Keyword:1-63A,1,1+N,2,3,3+N,4 Pole, IEC60947-2,SAA,CE,TUV,CB, Nemko, Triangle indicator window
SL7-63N MCB

Application

SL7-63N have protective function as shortage as overload, and are used in lighting distribution system in industry commerce and dwelling, and protect fractional electric motors. And they also have many merits of high protective grade(up to IP20), high breaking capacity, reliable sensitive action, convenient, multi pole assembling, long life ect. They are mainly adapted to the circuit of AC 50Hz, 250V in single pole, 415V in double, three, four poles for protecting overload and short circuit. Mean while, they are also used in turning on or off the electric apparatus and lighting circuit under the normal conditions.

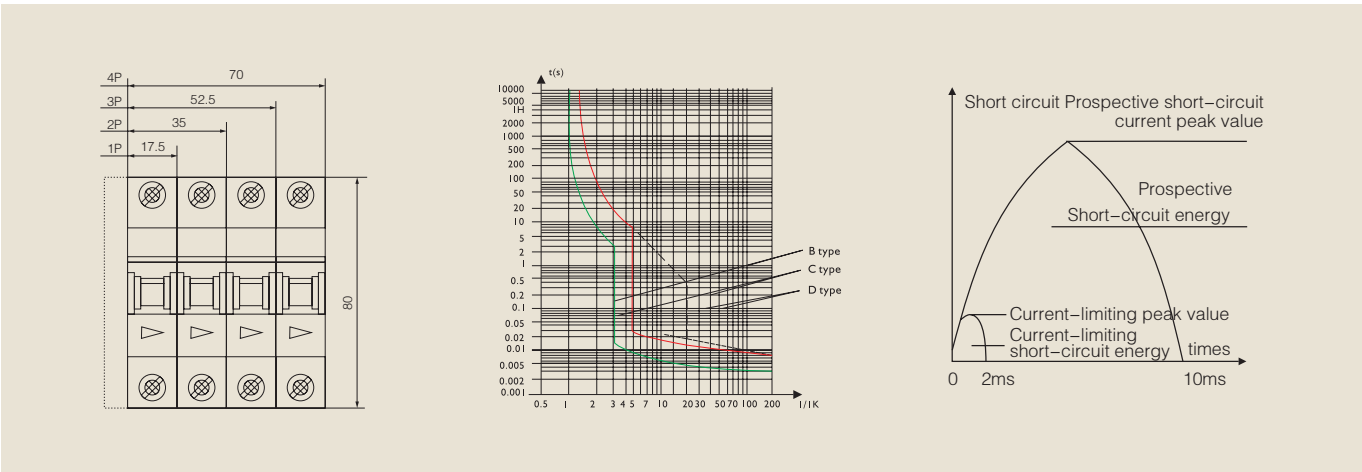


Specifications

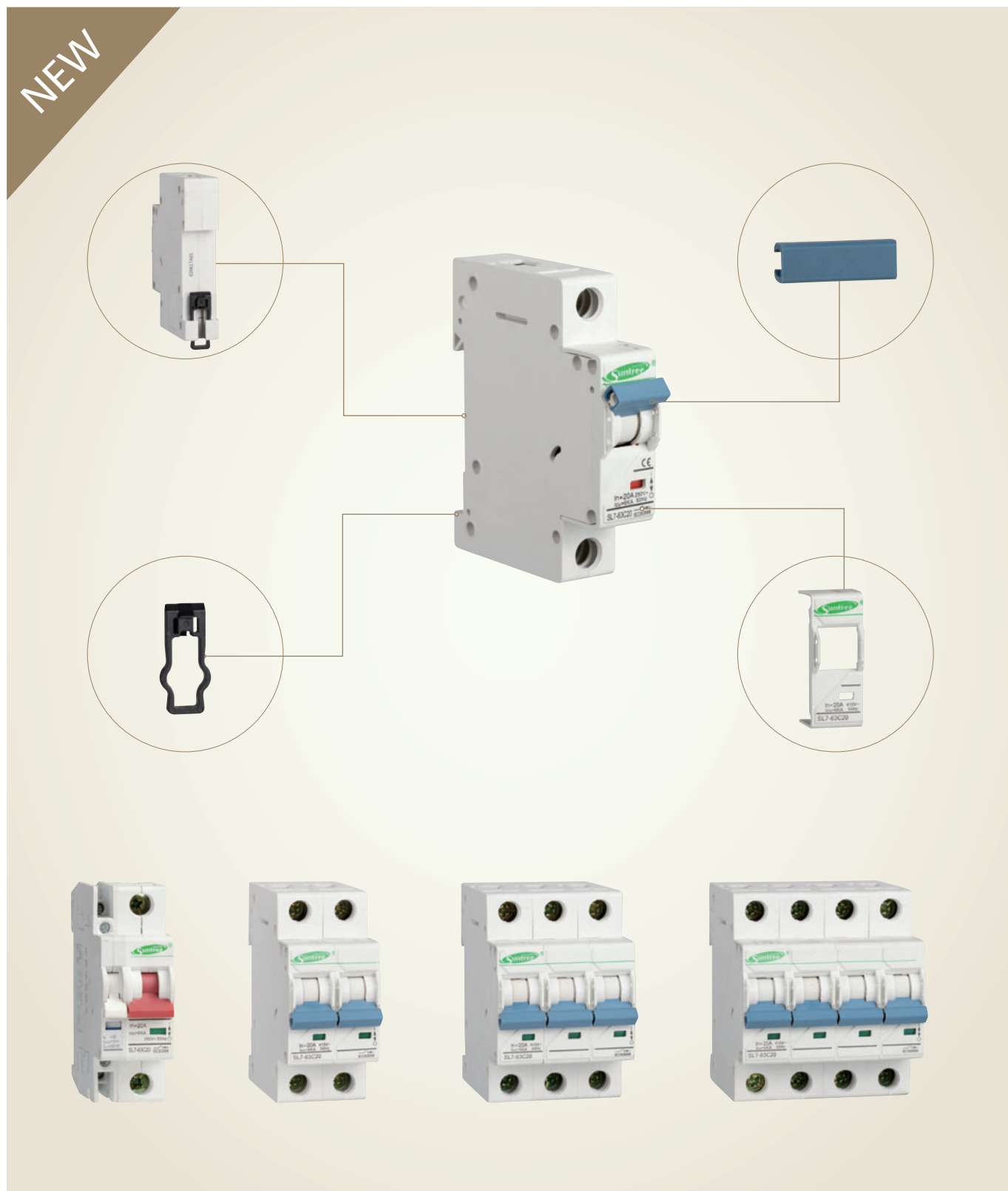
Standard	EN60898(IEC60898) IEC60947-2
Rated current	1-63A
Rated Breaking capacity	6,10kA IEC60898(0.5~63A) 6,10,15kA IEC60947-2(0.5~63A)
Characteristic curve	B,C,D
Max. fuse that can be connected to	100AgL(> 10kA)
Selective grade	3
Working ambient temperature	-5 °C ~ +40°C
Enclosed protective class	IP20
Electrical life	Not less than 8000 times
Mechanical life	Not less than 20000 times

● Complete accessories

Dimensions / Characteristics curves



Keyword: 1-63A, 1, 1+N, 2, 3, 3+N, 4 Pole, Improved SL7-63, Indicator panel can be removed, with handle sets
SL7-63 MCB



Keyword:Max current:125A,1,1+N,2,3,3+N,4 Pole, Breaking Capacity: 7.5kA, Similar Admiralty Muller SL7-125 MCB

Application

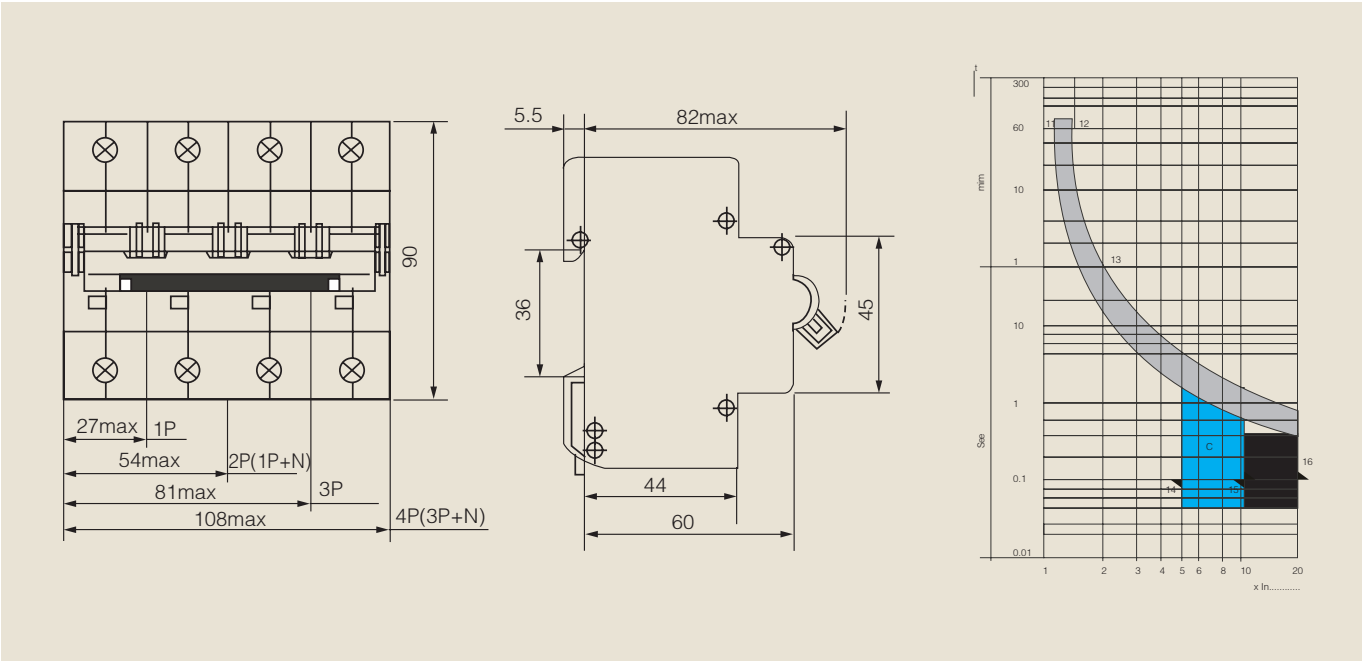
This circuit breaker is applied to protect the over-current of electrical apparatus and circuit device of construction and similar buildings in the circuit of AC 50Hz, rated voltage 230V/400V and rated current up to 125A. It can also applied for unfrequent making-breaking operation. It accords with IEC60898, GB10963 standard.



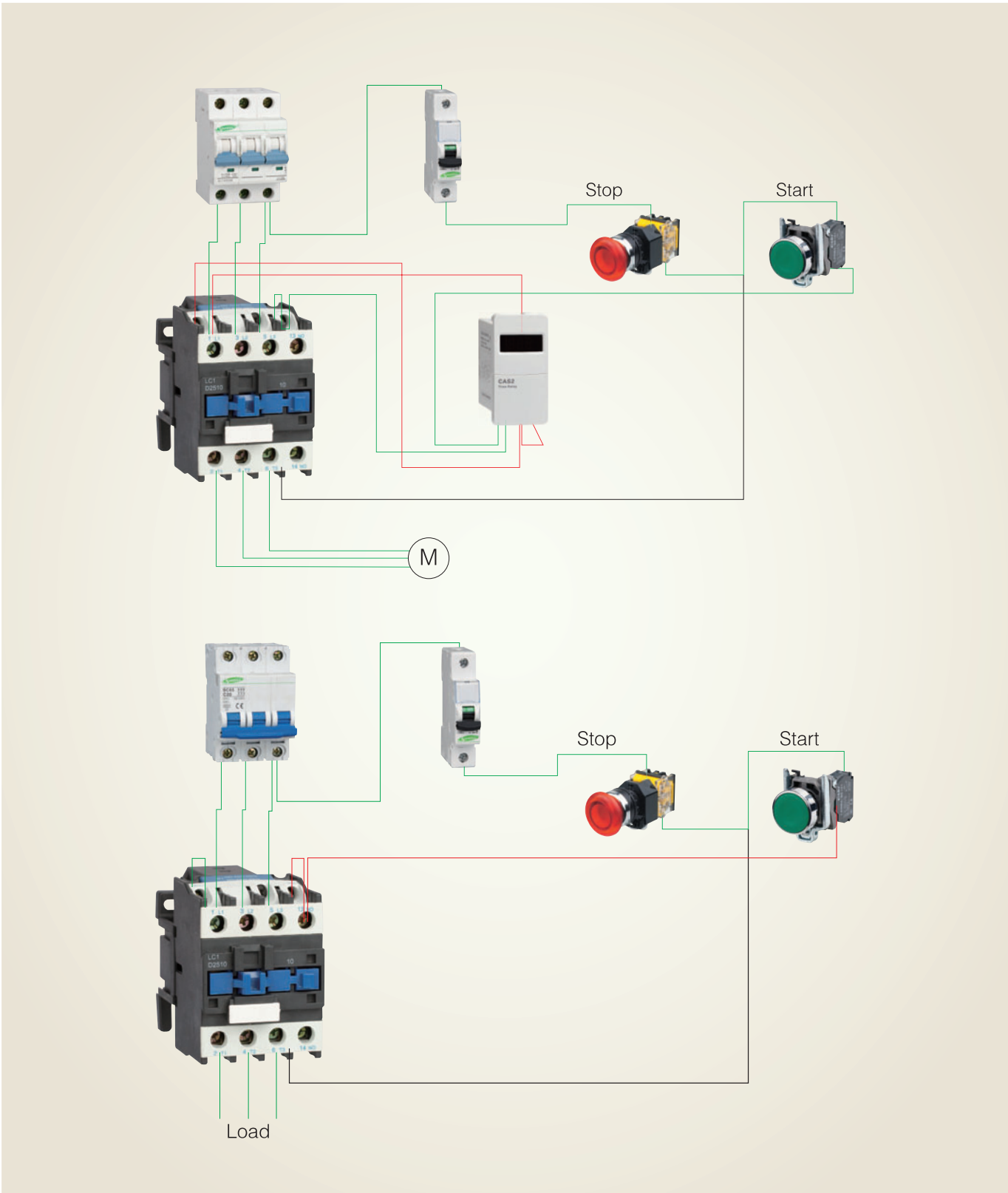
Specifications

Frame size rated current Inm	125A
Rated voltage Ue	50Hz, 230V/400V
Rated current In:	C type: 63A, 80A,100A,125A; D type: 63A,80A,100A
Rated breaking capacity	Ics=7500A, Icn=15000A
Pole number	1P,1P+N,2P,3P,3P+N,4P
Mechanical life	8000 times
Electric life	4000 times
Instantaneous release type and current range	C Type: use in lighting distribution, socket loop or parts of motivity distribution system. D Type: use in motivity or strong electromagnetic induction load loop, for example motor load etc, 10In~20In.

Dimensions / Characteristics curves



Application examples



Keyword: 1-63A, 1, 2, 3, 4 Pole, Consumer Unit Mount, Distribution Board Mount, Economic utility
SC45 MCB

Application

SC45 series circuit breaker is used in lighting distribution system or motor distribution system for protecting overload and short-circuit in the system. The product is novel in structure, light in weight, reliable and excellent in performance. It has high breaking capacity, can trip quickly and its installation uses with guide. Its case and items are adopted with high fire-resistant and shockproof plastics. The product, with long life, is mainly used in AC 50/60Hz single-pole 230V or two, three, four-pole 400V circuit for overload and short-circuit protection as well as for unfrequented on-and-off switching electric equipment and lighting circuit in normal case. The product complies with EN/IEC60898.



MTS Series (manual Transform switch)



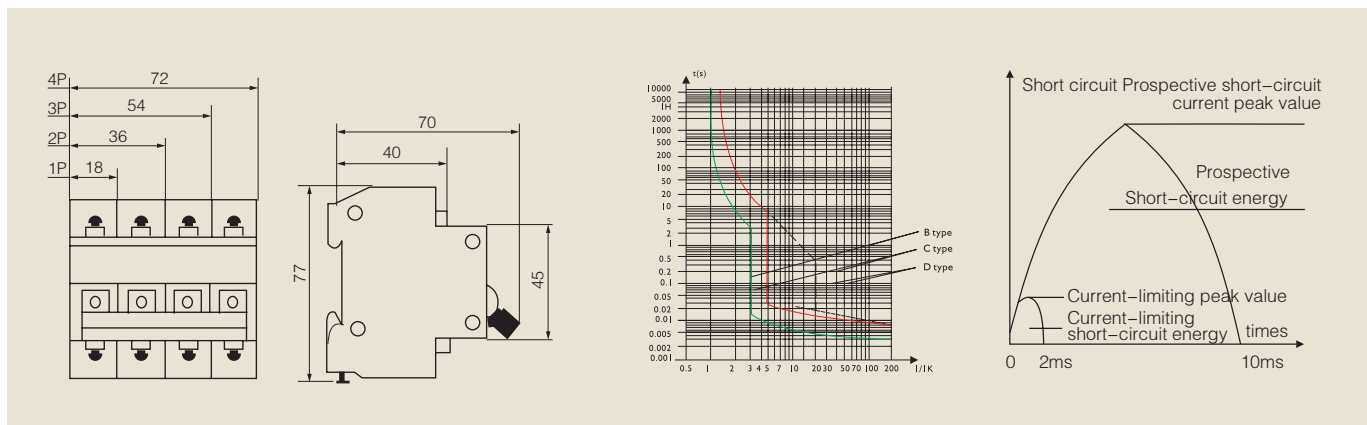
SC45 Series

Specifications

Type	Rated current(A)	Pole NO.	Voltage(V)	Breaking capacity(A)
B	1,2,3,4,6,10,16, 20,25,32,40A	1	230/415	6000/4500
		2,3,4	400	
	50,63A	1	230/415	4500/3000
		2,3,4	400	
C	1,2,3,4,6,10,16, 20,25,32,40A	1	230/415	6000/4500
		2,3,4	400	
	50,63A	1	230/415	4500/3000
		2,3,4	400	
D	1,2,3,4,6,10,16, 20,25,32,40A	1	230/415	4500/3000
		2,3,4	400	
Weight(g)	1P	2P	3P	4P
	102	208	308	408

● Complete accessories

Dimensions / Characteristic curve



Keyword:1-63A,1,2,3,4 Pole, Orange handle, Distribtuion Board Mount, Arch design

SC48 MCB

Application

SC48 series circuit breaker is used in lighting distribution system or motor distribution system for protecting overload and short-circuit. The product is novel in structure, light in weight, reliable and excellent in performance. Is mainly used in AC 50Hz/60Hz single-pole 240V or two, three, four-pole 415V circuit for overload and short-circuit protection as well as for unfrequented on-and-off swit-ching electric equipment and lighting circuit in normal case. The product complies with EN/IEC60898.

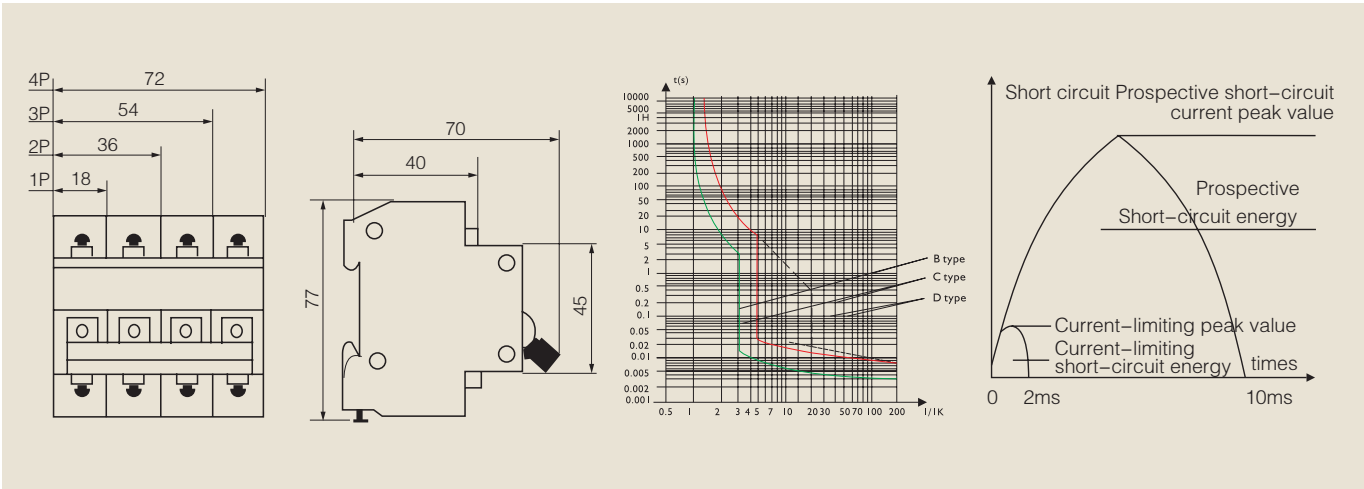


Specifications

Pole NO.	1,2,3,4P			
Breaking capacity(kA)	4.5,6kA			
Rated temperature	40℃			
Rated voltage	240V/415V AC			
Rated current	1,2,3,4,6,10,15,16,20,25,32,40,50,63A			
Electrical life	6000 times			
Mechanical life	20000 times			
Weight(g)	1P	2P	3P	4P
	102	208	308	408

● Complete accessories

Dimensions / Characteristic curve



Keyword:1-63A,1,2,3,4 Pole, Commonly used products of the southeast Asian market

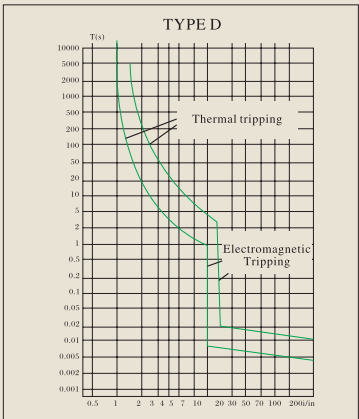
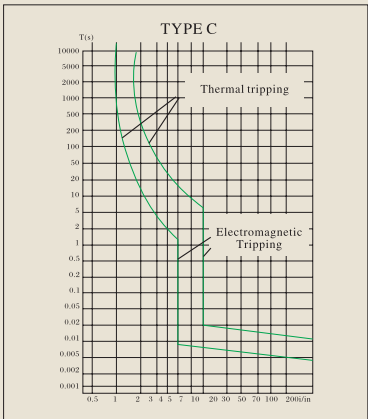
SCB2 MCB

Specifications

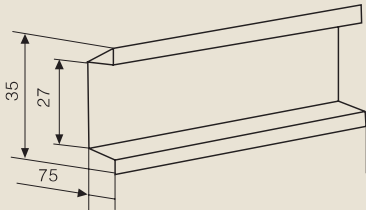
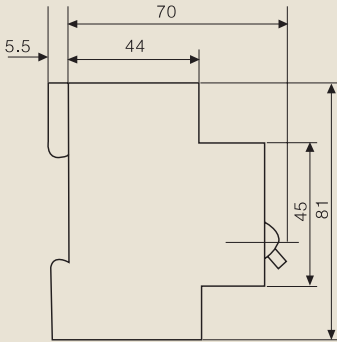
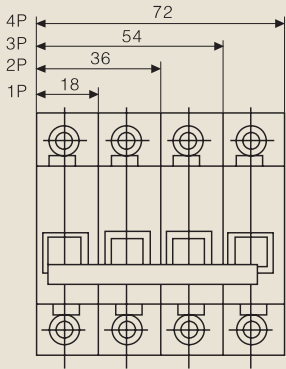
Poles	1P,2P,3P,4P
Rated Voltage(V)	230V/400V
Rated current(A)	1,3,5,6,10,16,20,25,32,40,50,63A
Characteristic Curve	IEC60898
Rated Breaking Capacity	3kA,4.5kA,6kA
Electrical life	> 6000 times
Mechanical life	20000 times
Tropicalizes	Treatment 2(RH95%,at55℃)



Characteristic curve



Outline and installation dimensions



Keyword:6-63A, 1,2,3,4 Pole, Russian market selling, Similar IEK, EKF, Arch design
SMC MCB

Application

Miniature Circuit Breakers (MCB)which can be used in Low Voltage electrical installations to protect conductors, switchgear, and electrical equipment in general against overloads and short circuits.

Function

- All the machines meet the standards of IEC and GB.
- They can be installed in the track of 35mm of IEC.
- They have the function of high current limit.
- Protective grade :IP20.

Specifications

Rated voltage Un	230/400V
Rated In	6-63A
Rated frequency	50Hz
Rated breaking capacity	4.5,6kA
Energy limiting class	3
Tripping characteristic	B,C,D
Cross-section of connecting lead	1-25mm ²
Isolating class	B
Mounting on the rail	EN60715(EN 50022)
Build-in width	18mm/pole
Standards	IEC 60898,EN 60898
Certificates	CE,CB,SEMKO,RoHS



SMC1



SMC2

Tripping characteristics

Characteristics	Test Current	Tripping time	Result	Curve
B,C,D	1.13In	$t \leq 1h(In \leq 63A)$ $t \leq 2h(In > 63A)$	NO tripping	
B,C,D	1.45In	$t < 1h(In \leq 63A)$ $t \leq < 2h(In > 63A)$	Tripping	
B,C,D	2.55In	$1s < t < 60s(In \leq 32A)$ $1s < t < 120s(In > 32A)$	Tripping	
B	3In	$t \leq 0.1s$	No tripping	
C	5In			
D	10In			
B	5In	$t < 0.1s$	Tripping	
C	10In			
D	20In			

Keyword: Max current: 125A, 1,2,3,4 Pole, Breaking capacity:4.5,6,10kA

SNC-125H MCB

Application

SNC-125H high breaking capacity circuit breaker is used for AC 50/60Hz, single-pole 230V or two, three, four-pole 415V circuit for protecting the circuit that overload and short circuit may take place. It can be used in lighting and electric motor distribution system. Mean while it is applicable to an unfrequented switch over the electric apparatus and lighting circuit under normal condition. Breaking capacity is up to standard of IEC60947-2.

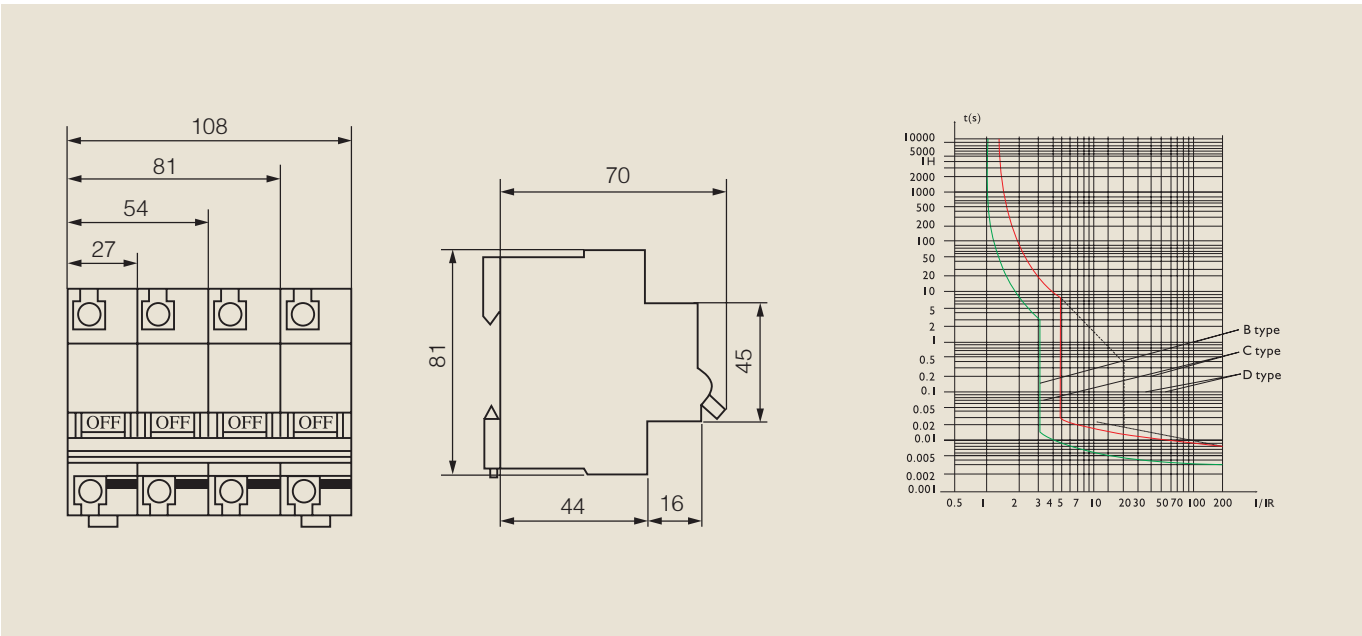


Specifications

Rated current	32,40,50,63,80,100,125A			
Rated voltage	230V/415V AC			
Electrical life	6000 times			
Mechanical life	20000 times(C.O.)			
NO. of Pole	1P,2P,3P,4P			
Weight(g)	1P	2P	3P	4P
	180	360	540	720

● Custom-made: 32A,40A,50A

Dimensions / Characteristic curve



Keyword:1-63A, 1,2,3,4 Pole, Similar Schneider, High breaking capacity.

SC65(SC60) MCB

Application

SC65(SC60) have protective function of shortage and overload, and are used in lighting distribution system in industry, commerce and dwelling, and protecting fractional electric motors And they also have many merits of high protective grade(up to IP20), high breaking capacity, reliable system isotone, convenient, multiple assembling, long life etc. They are mainly adapted to the circuit of AC 50Hz,230V in single pole, 415V in double, three, four poles for protecting over-load and short circuit. Mean while, they are also used in turning on off the electric apparatus and lighting circuit under the normal condition.

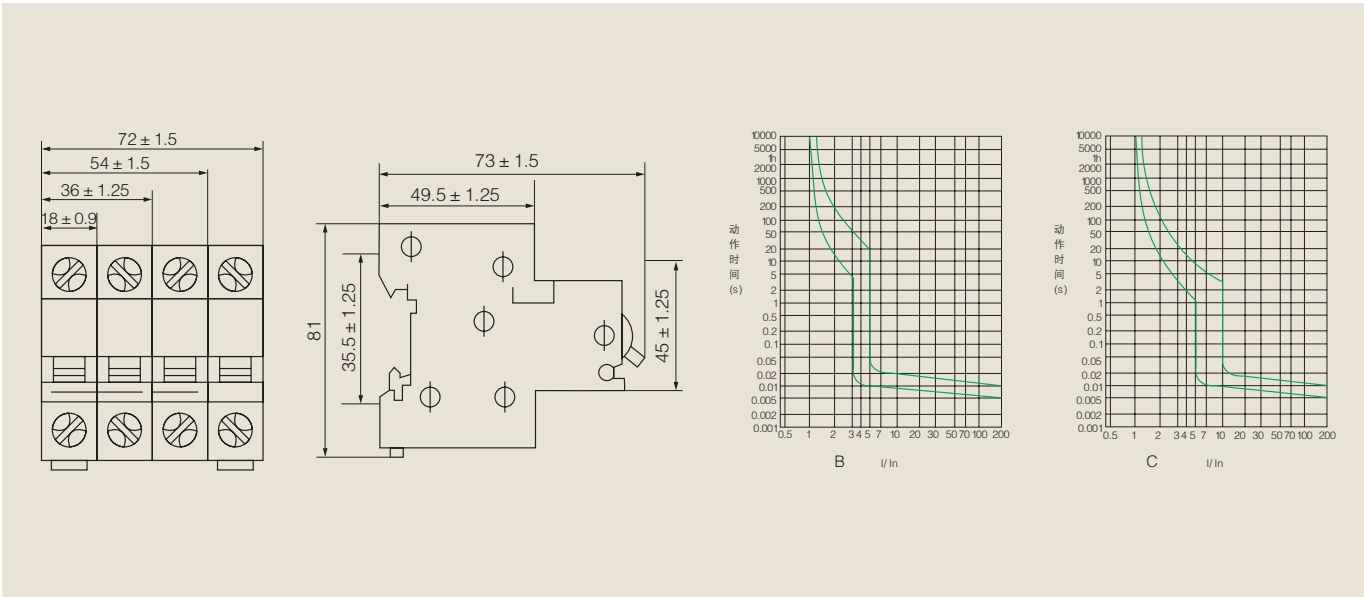


Specifications

NO. of Pole	1P,2P,3P,4P
Rated voltage	230V/415V
Mechanical life	4000 times
Electrical life	10000 times
Rated current	1,2,3,6,10,16,20,25,32,40,50,63A
Protective grade	IP20
Breaking capacity	4.5,6,10kA

● Complete accessories

Dimensions / Characteristic curve



Keyword:1-63A, 1,1+N,2,3,3+N,4 Pole, Similar Schneider, High breaking capacity, New type
SIC60(SIK60N) MCB

Application

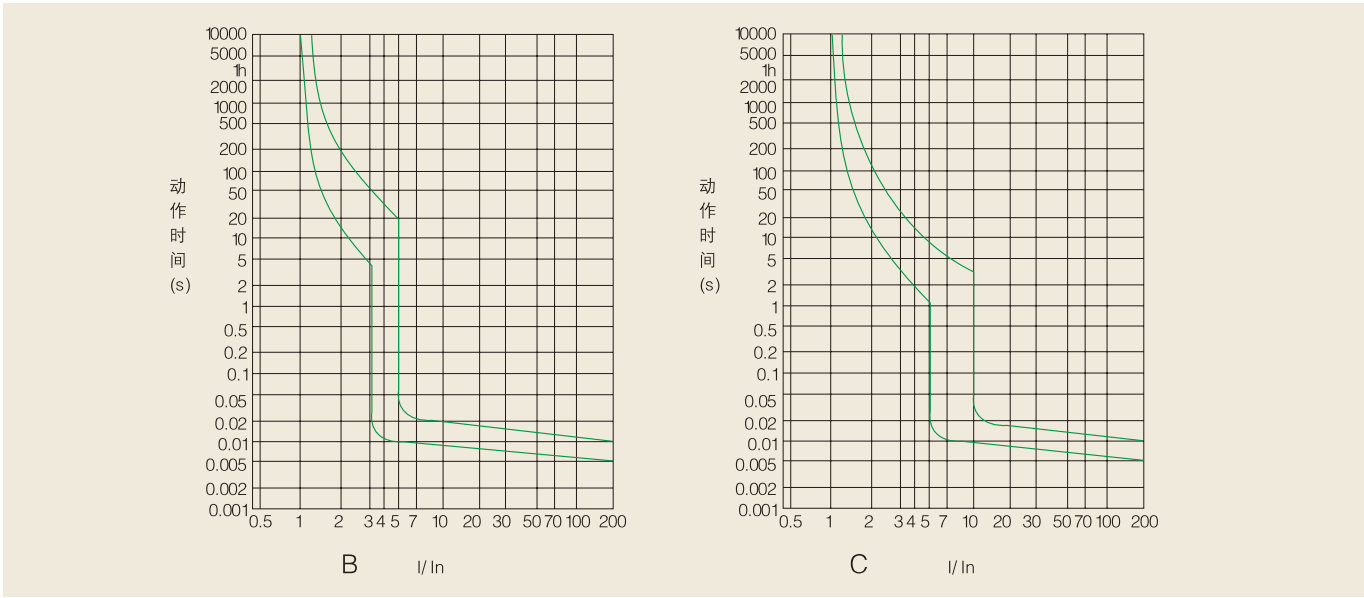
SIC60 MCB have protective function of shortage and overload, and are used in lighting distribution system in industry, commerce and dwelling, and protecting fractional electric motors And they also have many merits of high protective grade(up to IP20), high breaking capacity, reliable system isotone, convenient, multiple assembling, long life etc. They are mainly adapted to the circuit of AC 50Hz,230V in single pole, 415V in double, three, four poles for protecting over-load and short circuit. Mean while, they are also used in turning on off the electric apparatus and lighting circuit under the normal condition.



Specifications

NO. of Pole	1P,1P+N,2P,3P,3P+N,4P
Rated voltage	230V/415V
Mechanical life	4000 times
Electrical life	10000 times
Rated current	1,2,3,6,10,16,20,25,32,40,50,63A
Protective grade	IP20
Breaking capacity	6kA

Characteristic curve



Miniature circuit breaker accessories

Muller Series



Schneider Series



Legrand Series



Miniature circuit breaker accessories

SC65(SC60) Series



OF



SD



MX+OF



MX

SC65(SC60) Series



MV+MN



MV



MQ



MN

SL7 Series



OF



SD



MX



Miniature circuit breaker accessories

SC45 Series



OF



SD



MX+OF



MX

SC45 Series



MN



MV



MQ



MV+MN

Switch-disconnectors



SH3-100



SH1-100



SB463



SBH-100

Keyword:6-63A, 1,2,3,4 Pole, Breaking Capacity: 6kA, Similar Mitsubishi
SBH-D6 MCB

Application

SBH-D6 products of domestic power distribution box have come out. The high-quality and high function circuit breaker used in domestic used in domestic power distribution box is looking for ward to your selection and application.

Function

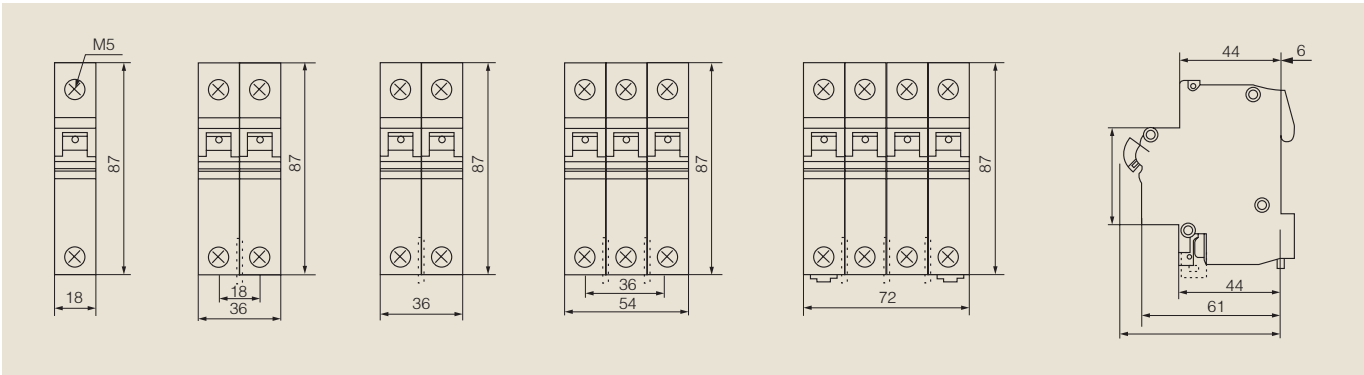
- All the machines meet the standards of IEC and GB.
- They can be installed in the track of 35mm of IEC.
- They have the function of high current limit.
- Protective grade :IP20.



Specifications

Standard	IEC60898
Rated voltage	230/415VAC, 50/60Hz
Rated current	6,11,13,16,20,25,32,40,50,63A
Ambient temperature	-10℃ ~40℃
Instal trip current	B,C,D
Rated short circuit interrupting capacity	6kA
Rated running short circuit interrupting capacity	10kA
Mechanical life	8000
Electrical life	8000
Fix	Track of 35mm of IEC
Terminal(the side of ON)	Non-weld tin terminal
Terminal(the side of OFF)	Non-weld tin terminal/terminal with mouth
Bus.t	0.7-1.5mm
Applied wire	1-25mm ²
Releasing method of overload	Thermal-coil magnetic
Accessories	Insulation board

Dimensions



Keyword:6-63A, 1,2,3,4 Pole, Similar AEG, High breaking capacity, Orange handle
SE90 MCB

Application

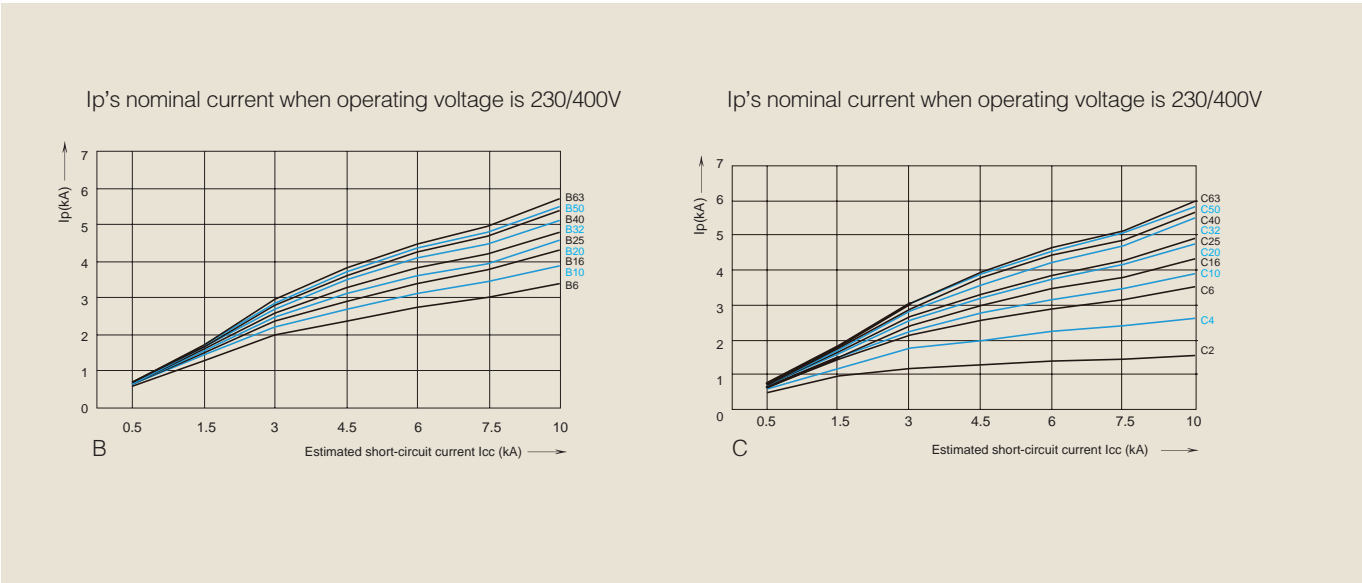
The mini circuit breaker belong to the advanced level of the nineties in the world. They are characteristic of small size. high sensitivity, long using life, and strong protective functions for shortage and overload. The products are the newest generation, and has features of high protective grade, high breaking capacity, good reliability of sensitive action and convenient use. It is generally used for illumination and distribution in industry, commerce and buildings.



Specifications

Rated current	6,10,16,20,25,32,40,50,63A
Rated voltage AC Un	230/415V
Min operating voltage UB min	12
Tripping characteristics	3-5In(B) 5-10In(C) 10-20In(D)
Mechanical/electrical educate	2000/10000
Triplikations acc. to IEC 60898	95%RH at 55
Terminal capacity flexible/rigid able	25-35mm ²
Poles	1,2,3,4
Weight(g/pole)	120

Characteristic curve



Keyword:1-63A, 1,2,3,4 Pole, Consumer Unit Mount, Similar Legrand, Other improved products
SDX MCB

Application

SDX mini circuit breaker is mainly suitable for overload and short circuit protection. It is especially used for illumination and distribution in industry and commerce etc. It has pleasing outlook & high breaking capacity, reliable performance, high inflammable resistance and shock resistance for long service life. It is within the circuit of AC 50/60Hz, rated voltage of single pole up to 230V, two three or four poles up to 415V. It can also be used for an unfrequented change over of the circuit and illumination under normal conditions.



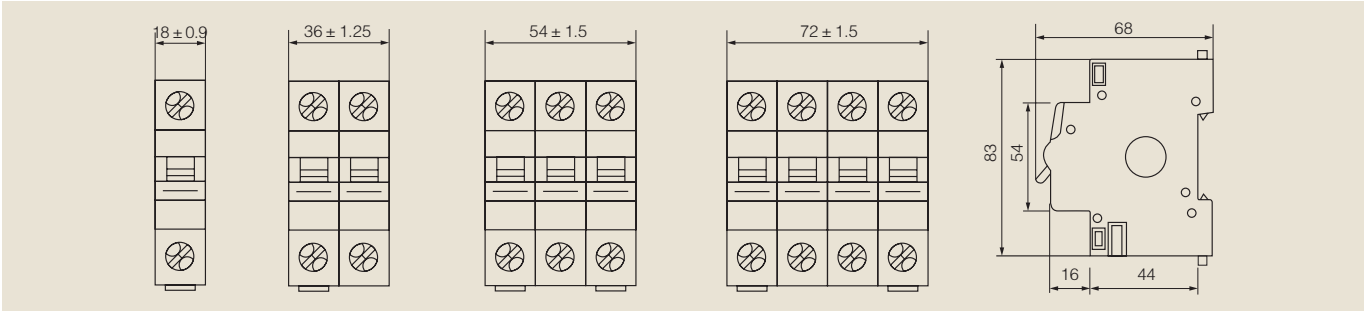
SDX1

SDX2

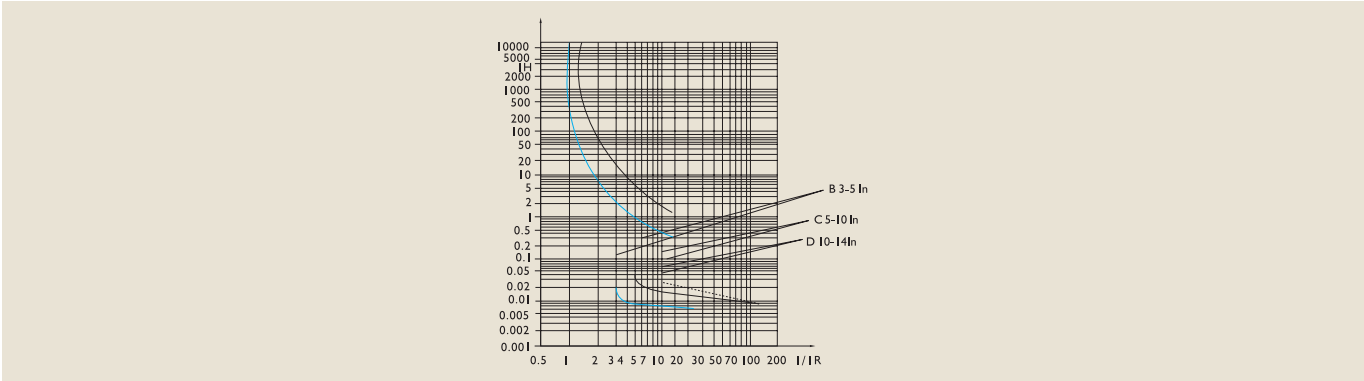
Specifications

Rated current(A)	Pole NO.	Rated voltage(V)	Breaking capacity (kA)	Electrical life(times)	Mechanical life(times)
1,2,3,4,6,10,16,20,25,32,40 50,63	1	230	6000	8000	6000
	2,3,4	415	6000		
	1	230	6000		
	2,3,4	415	6000		

Dimensions



Characteristic curve



Keyword:2-63A, 1,2,3,4 Pole, Similar Siemens, other models can be customized

S5SJ6/S5SL6 MCB

Application

S5SJ6 series mini circuit breaker is mainly suitable for over-load and short circuit protection. It is especially used for illumination and distribution in industry and commerce. It is of pleasing out-look, light weight, reliable performance, high breaking capacity, etc. Its frame and parts adopt plastics of high inflammable resistance and shock resistance for long service life. It is mainly used for overload and short circuit protection within the circuit of AC 50/60Hz, rated voltage of single pole up to 240V, or two, three, four poles 415V, It can also be used for an unfrequented switch over of the circuit and illumination under normal conditions.



S5SL6 Series

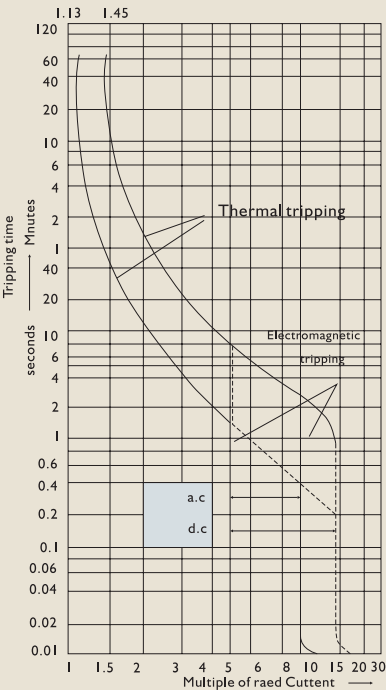


S5SJ6 Series

Specifications

Frequency	50/60Hz
Rated voltage	240/415V AC
Rated breaking capacity	6000A
Rated frame current	63A
Rated trip current	2,4,6,10,16,20,25,32,40,50,63A
NO. of pole	1P,2P,3P,4P

Characteristic curve



Keyword: Max current:100A, 1, 1P+N,2, 3, 3P+N,4P, isolator type, India market selling products
SIS-63 MCB

Construction and Features

State-of-the-art design.

Elegant appearance;cover and handle in arc shape for comfortable operation

Contact position indicating window.

Mid-trip function for circuit fault indicating

In case of overload and short-circuit to protected circuit, mcb knob trips and stays at mid position, which enables a quick solution to the faulty line. The knob cannot stay in such position when operated manually.

High short-circuit capacity

High short-circuit capacity 10kA for whole range thanks to the powerful electric arc extinguishing system.

Long electrical endurance, more than 4000 cycles thanks to quick making mechanism

Knob padlock device.

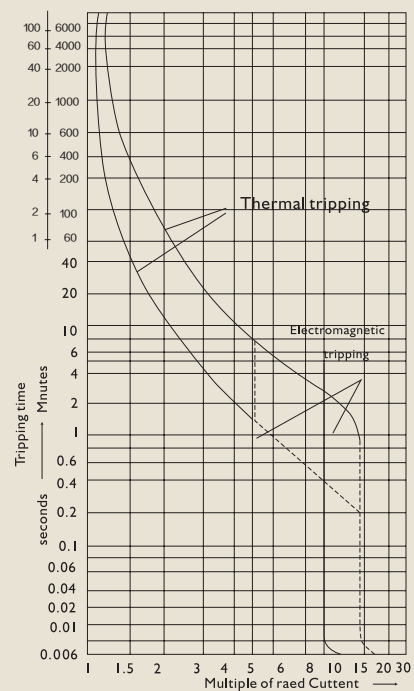
Mcb knob can be locked either at "on"position or at "off" position to prevent unwanted operation of the product.



Specifications

Number of poles	1, 1P+N,2, 3, 3P+N,4P
Rated voltage	AC 240/415V
Rated current(A)	1,2,3,4,5,6,10,16,20,25,32,40,50,63 80,100
Tripping curve	B,C,D
Rated short-circuit capacity(Icn)	10000A
Rated service short-circuit braking capacity(Ics)	7500A
Rated frequency	50/60Hz
Energy limiting class	3
Rated impulse withstand voltage	4kV
Electro-mechanism endurance	4000
Connection termina	Screw terminal
Connection capacity	rigid conductor up to 25 mm ²
Fastening torque	2.0Nm
Installation	On symmetrical DIN rail 35mm
Manufacture standard	IEC60898-12003/IS8828:1996

Characteristic curve



Keyword:1-63A, 1,2,3,4 Pole, Similar ABB, Variety complete, S200,SH200,S230,S260

S250 MCB



S251



SH202

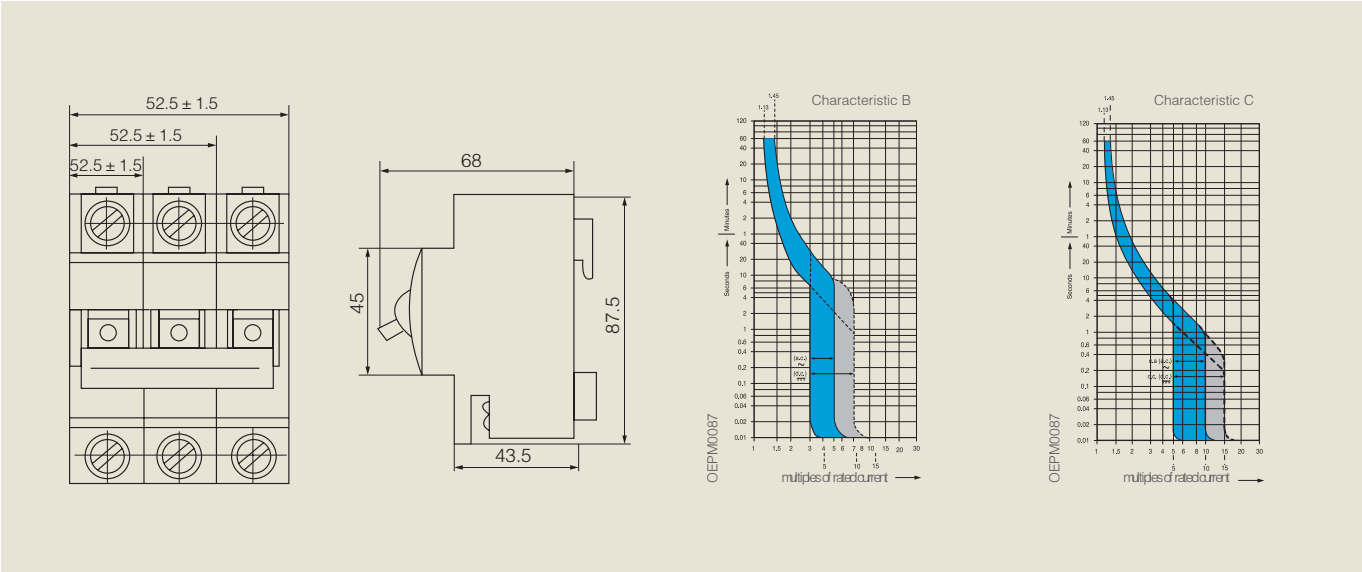


S253

Specifications

Type		S250S	S250H	S250S-DC
Standards		IEC60898		IEC60898-2
Pole		1, 2, 3, 4		1, 2, 3, 4
Tripping characteristics		B、C、D	B、C	C
Tripping type		Electro-Magnetic Type		
Rated breaking capacity	Icu	6kA (1-40A) 4.5kA (50, 63A)	6kA (50, 63A)	10kA
Rated current	In	1~63A	50, 63A	1~63A
Frequency	Hz	50 - 60		-
Mechanical Life	no. of operation	20,000		
	no. of operation	10,000		
Protection degree	Terminals	IP20		
	Housing	IP40		
Operqating temperature	℃	-25~+55		
Terminal size	mm ²	0.75~25		
Tightening torque	Nm	2		

Dimensions / Characteristics curves



Keyword: 4-63A, 1, 1P+N, 2, 3, 3P+N, 4P, Consumer Unit Mount, Similar Hawes

SHL MCB

Application

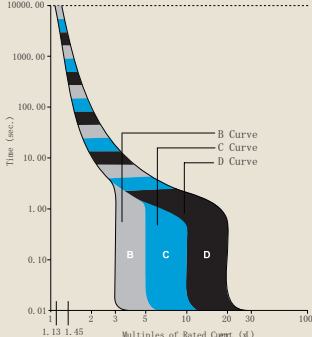
SHL products of domestic power distribution box have come out. The high-quality and high function circuit breaker used in domestic used in domestic power distribution box is looking for ward to your selection and application.



Specifications

Number of poles	1, 1P+N, 2, 3, 3P+N, 4P
Rated voltage	AC 240/415V
Rated current(A)	4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63
Tripping curve	B, C, D
Rated short-circuit capacity(I _{cn})	6000A
Rated service short-circuit braking capacity(I _{cs})	7500A
Rated frequency	50/60Hz
Energy limiting class	3
Rated impulse withstand voltage	4kV
Electro-mechanism endurance	4000
Connection termina	Screw terminal
Connection capacity	rigid conductor up to 25 mm ²
Fastening torque	2.0Nm
Installation	On symmetrical DIN rail 35mm
Manufacture standard	IEC60898-12003/IS8828:1996

Characteristics curves

As per	Thermal Tripping			Magnetic Tripping			Curve
	No tripping	Tripping	Time	Hold	Hold	Time	
IS / IEC60898-1	Current	Current	Limits	Current	Current	Limits	
	I ₁	I ₂	t	I ₄	I ₅	t	
B Curve	1.13 x I _n		>1h	3 x I _n		>0.1s	
		1.45 x I _n	<1h		5 x I _n	<0.1s	
C Curve	1.13 x I _n		>1h	5 x I _n		>0.1s	
		1.45 x I _n	<1h		10 x I _n	<0.1s	
D Curve	1.13 x I _n		>1h	10 x I _n		>0.1s	
		1.45 x I _n	<1h		20 x I _n	<0.1s	
I ₃ = 2.55 x I _N	1s < t < 60s for I _n < 32 A						
	1s < t < 120s for I _n > 32 A						

Keyword:1-63A, 1,2,3Pole, Similar LS, also have BKP, BKN-B/C,BKH,BFN, BKM,LSN

SBKN MCB

Application

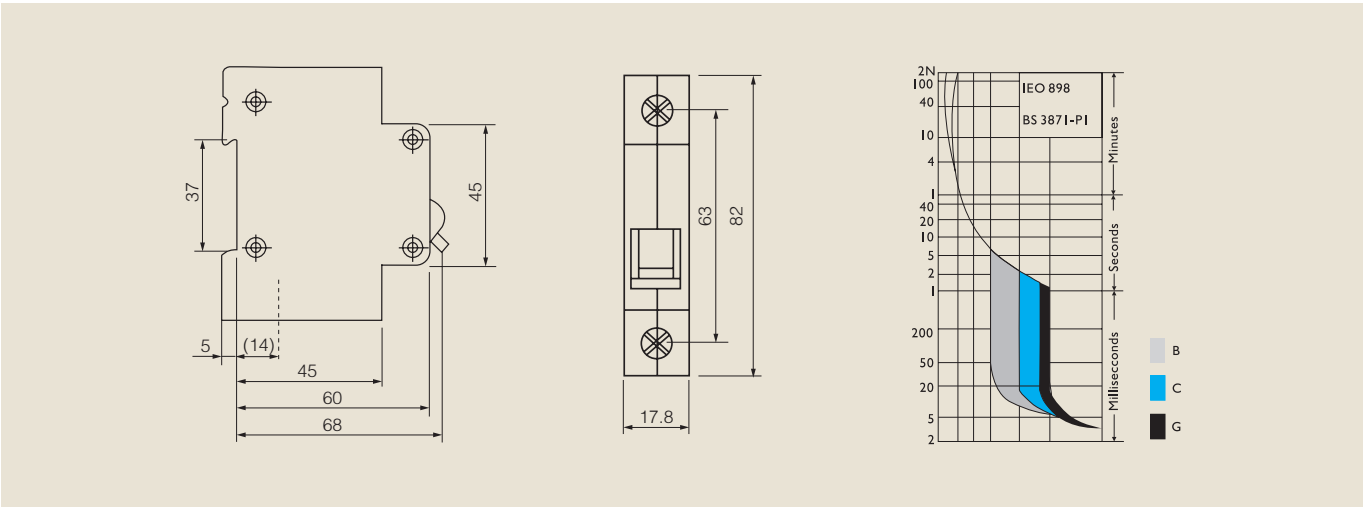
- The design on the base of the current limiting device increases the capability of circuit breaking, with a max. of 7.5kA(AC 230V standard). The super-miniature and light product leaves the installation are minimum.
- The over current protection of bimetallic sheet and the instantaneous and short circuit protection featuring solenoid trip produces a perfect protection to current fault.
- The assembly mode of DIN-Rail makes the installation easier.
- Delicate appearance of Europe-style
- Available to fit such accessories as auxiliary switch(AX)and alarm switch, etc.



Specifications

Series	SBKN									
Type	B			C				D		
Poles	1	2	3	1	2	3	4	1	2	3
Rated voltage	230/415V									
Rated current	1,3,6,10,16,20,25,32,40,50,63									
Breaking capacity(kA)	6			6				6		
Tripping device	Thermal-coil magnetic									
Auxiliary switch & alarm switch										
Rated operational current	230V 3.5A									
(AC11)duty	415V 2A									
Mechanical lifespan	2000 operations									
Terminal capacity	0.75, 2.5mm									
Weight	0.04kg/EA									

Dimensions / Characteristic curve



Keyword:6-63A, 1P,1P+N,2P,3P,3P+N,4P, New type for LS company, Custom-made othe model
LSN MCB

Application

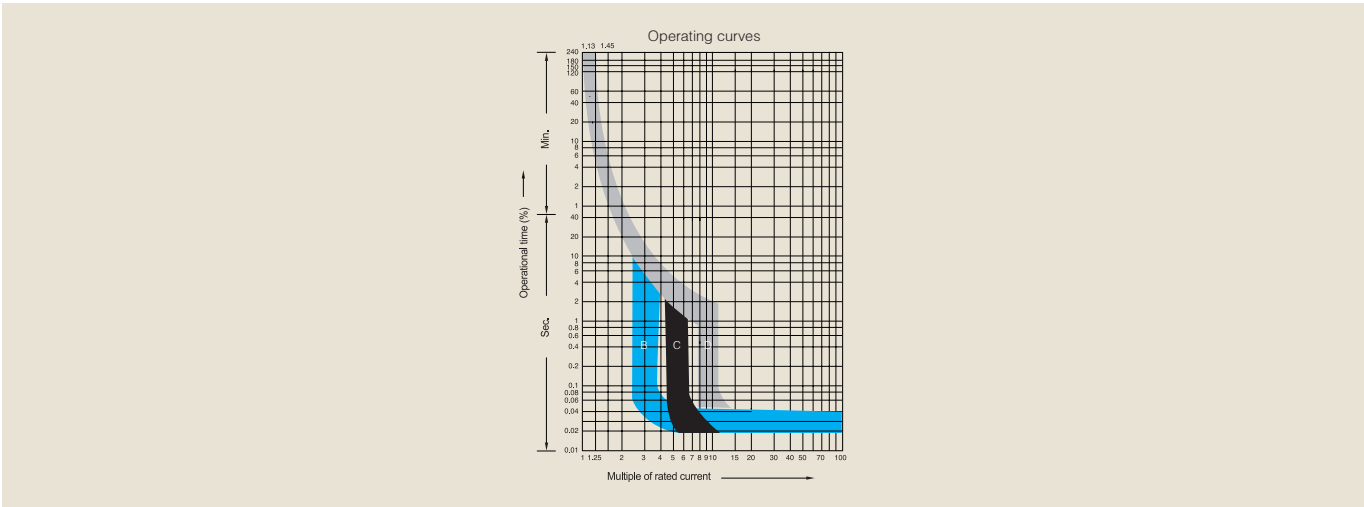
LSN mini circuit breaker is widely used in building, commercial and industrial installations up to 63A 230/400V a.c .and 220/440V d.c., mainly for cable and conductor overload and short-circuit protection, It can also be used as current-limiting circuit breaders and optical position indicator which indicates ON/OFF position. The tripping characteristics cover B,C,D according to EN 60898,Rated short-circuit breadking capacity up to 10kA.The color of control levers is in accordance with the colors offuses with screw base. This product has wide range of accessories available, in cluding auxiliary and relative switches, undervo ltage releases and shunt trips, busbars, labels etc, It is possible to be interconnected with switch-discnnectors and with residual current circuit breakers by means of busbars. It is possible to be locked and sealed in OFF or ON position.



Specifications

Type		LSN	
Standards		EN/IEC60898	
Number of poles		1P,1P+N,2P,3P,3P+N,4P	
Tripping characteristics		B,C,D	
Rated current	In	6-63A	
Rated operating voltage	Ue	230/440V A.C/48V D.C	
Max.operating voltage	Umax	253/440V A.C/52V D.C	
Rated frequency	fn	50/60Hz	
Rated short-circuit breaking capacity(EN60898)	forIn=6A-32A	Icn	8kA
	forIn=40A-60A	Icn	6kA

Characteristics curves



Keyword: 1-63A, 1,2,3,4 Pole Similar Hager, Breaking Capacity: 4.5,6,10kA, variety complete
SMY、SMT、SMU、SMW MCB

Application

SMY、SMT、SMU、SMW mini circuit breaker is mainly suitable for overload and short circuit protection. It is especially used for illumination and distribution in industry and commerce. It is of pleasing outlook & high breaking capacity etc. Its frame and parts adopt plastics of light weight, reliable performance, high inflammable resistance and shock resistance for long service life. It is mainly used for overload and short circuit protection within the circuit of AC 50/60Hz, rated voltage of single pole up to 230V. Two, three or four pole up to 400V. It can also be used for an unfrequented switch over of the circuit and illumination under normal conditions.

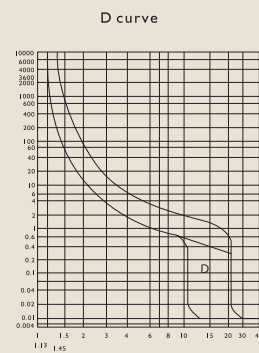
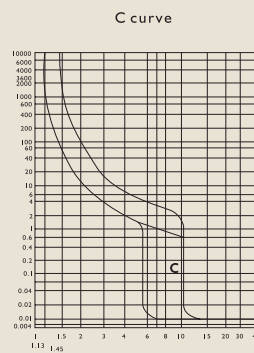
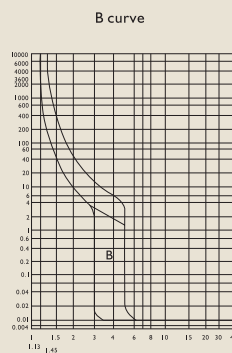
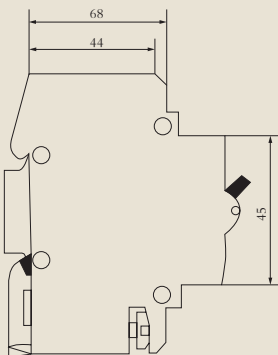


Transparent shell

Specifications

Type	SMY	SMT	SMU	SMW
Rated current	6-40A	6-63A	2-63A	1-63A
Tripping curve B:3-5I _n C:5-10I _n D:10-20I _n	B、C、D	B、C、D	B、C、D	B、C、D
Breaking capacity EN60 898 IEC 947-2 NEMA AB-1	4.5kA 6kA 10kA/C	4.5kA 6kA 22kA/C	6kA 10kA 22kA/C	6kA 10kA 22kA/C
Rated voltage	230/400V			
Isolating voltage	500V			
Electrical life	0.5 to 32A 20000 times, 40 to 63A 10000 times			

Dimensions / Characteristic curve(IEC60898)



Keyword:2~32A, Custom-made for 32A, color: white and Black, Plug-in installation
S101 MCB

Application

The circuit breaker are suitable for AC and DC 32A electric circuits of 50Hz, up to 380V and up to DC 250V respectively, for protection of electrical circuits and apparatus in office and residence building, and for protection of circuit terminals against overload and short circuit. The item is a durable protection that substitutes the traditional fuse element and can be used in each fuse socket with E27 thread according to DIN 40440.



Installing

S101 breaker should be screwed into the fuse socket instead of fuse bed and cartridge fuse.

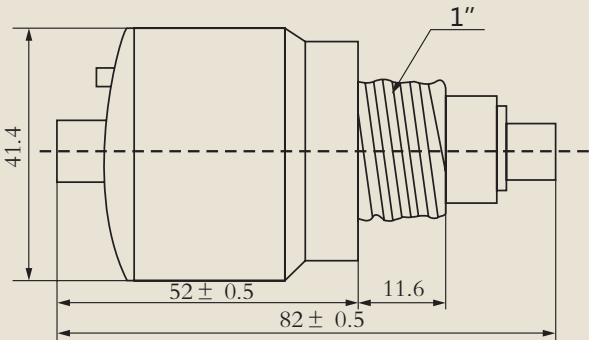
Instruction to use

The S101 breaker is on after the black push button has been pressed and is off when the red push-button is pressed. In case of emergency action of the S101 breaker, the failure should be found and eliminated. The black push-button is pressed again, then the breaker is ready for operation.

I type

Rated current		2-25A	32A
Pole NO.		Single pole	Single pole
Rated voltage		250/380V	250/380V
Rated short circuit making	Expected current in testing circuit(A)	3000	3000
	Power factor for testing circuit	0.65-0.70	0.75-0.80

Dimensions



Keyword: 1-40A,1,2,3Pole, Consumer Unit Mount, Similar Siemens, Custom-made:K series

SW40 MCB

Application

SW40 seriec miniature circuit breaker has small size. light weight, novel structure and excellent performance. They are mounted in the illuminating distribution board and used in guest houses, block of flats, high buildings, squares, railway stations, plants and enterprises etc, in AC circuits 230V(single-pole), up to 415V(3-Pole)50Hz for protection of overload short circuit and for circuit changeover in lighting system. Breaking capacity is 3kA. It is in dictator can be used circuit indication in illumination and industry system.



SW40



SK1



SK2

Specifications

Rated current	1,3,6,10,16,20,25,32,40A
Rated voltage	230V/415V AC
Breaking capacity	3000A
Mechanical life	10000 times

I type

Tripping characteristic	Ratedtripping current(A)	Thermal trips			Magnetic trip	
		Time of rated tripping current				
L1-L32	1-32	1.13In	1.45In	2.55In	3In	5In
Starting state		From cold state	From cold state	From cold state	From cold state	From cold state
Tripping time		> 1hr.	< 1hr	1sec ≤ t<60sec.	≥ 0.1sec	<0.1sec

G type

Tripping characteristic	Ratedtripping current(A)	Thermal trips			Magnetic trip	
		Time of rated tripping current				
G1-L32	1-32	1.13In	1.45In	2.55In	3In	5In
Starting state		From cold state	From cold state	From cold state	From cold state	From cold state
Tripping time		>1hr.	<1hr	1sec ≤ t<60sec	≥ 0.1sec	<0.1sec

Keyword: Max current: 63A,1P+N,18mm, Consumer Unit Mount, Distribtuion Board Mount
SDPNa MCB

Application

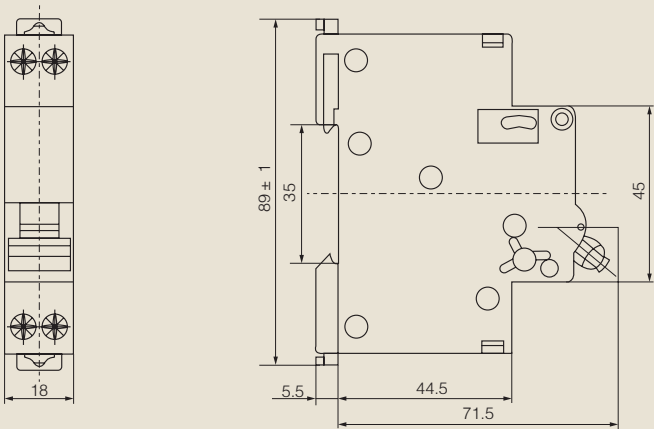
SDPNa mini circuit breaker applies to locations such as industrial,commercial,high rise and civil residence with AC230V and below for terminal distribution protection(overload and short circuit protection),can also be used to infrequent making and breaking operations. This breaker complier with standards of EN60989-1 and GB10963.1-2005,etc.



Specifications

Rated voltage	AC 230V
Rated frequency	50Hz/60Hz
Rated current	1,2,3,4,6,10,16,25,32,40,50,63A
Number of poles	1P+N
Tripping characteristic	B、 C、 D
Rated ultimate short circuit breaking capacity Icu	6000A
Rated service short circuit breaking capacity Ics	6000A
Mechanical life	20000 times

Dimensions



Keyword:1-63A,1P+N, 18mm, Consumer Unit Mount, Distribtuion Board Mount

SDXN MCB

Application

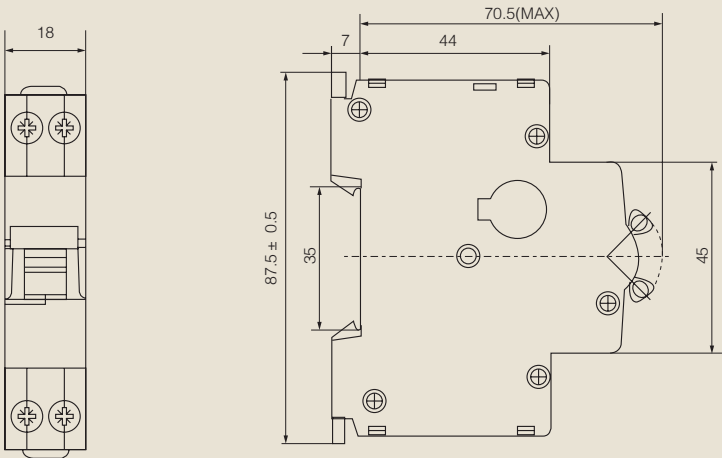
SDXN mini circuit breaker applies to locations such as industrial,commercial,high rise and civil residence with AC230V and below for terminal distribution protection(overload and short circuit protection),can also be used to infrequent making and breaking operations. This breaker complier with standards of EN60989-1 and GB10963.1-2005, etc.



Specifications

Rated voltage	AC 230V
Rated frequency	50Hz/60Hz
Rated current	1,2,3,4,6,10,16,25,32,40,50,63A
Number of poles	1P+N
Tripping characteristic	B、C、D
Rated ultimate short circuit breaking capacity Icu	6000A
Rated service short circuit breaking capacity Ics	6000A
Mechanical life	20000 times

Dimensions



Keyword: 1-32A,1P+N,18mm, Consumer Unit Mount, Distribtuion Board Mount
SDZ30 MCB

Application

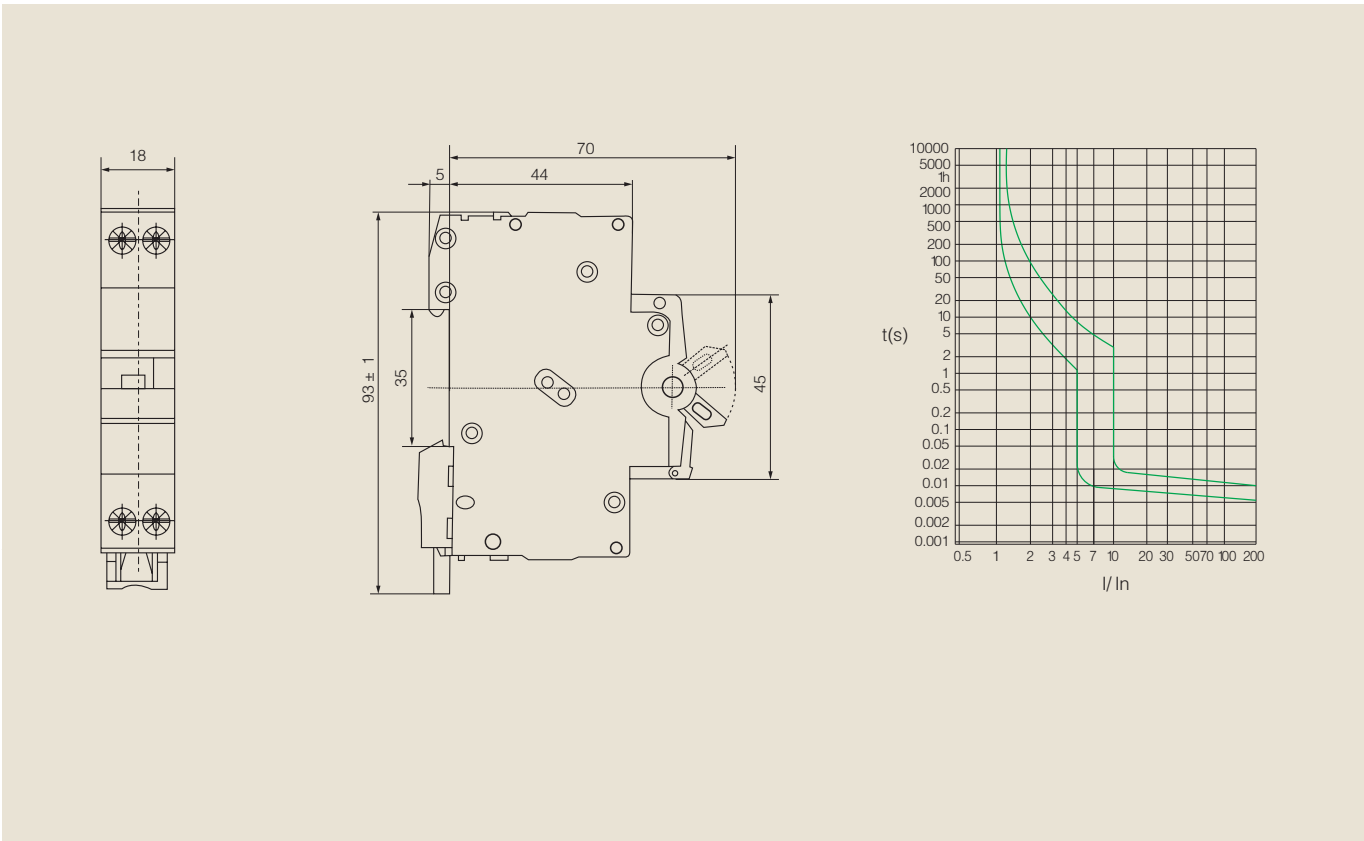
SDZ30 mini circuit breaker is mainly suitable for overload and short circuit protection. It is especially used for illumination and distribution in industry and capacity etc. It has pleasing outlook & high breaking capacity ,reliable performance,high inflammable resistance and shock resistance for long service life. It is within the circuit of AC 50/60Hz, rated voltage of single pole up to 240V, two,three or four poles up to 415V, It can also be used for an unfrequented, change over or the circuit and illumination under normal conditions.



Specifications

Rated current	Pole	Rated voltage	Breaking capacity	Electrical life	Mechanical life
1,2,3,4,6, 10,16,20,25,32A	1p+N	240V	6000	8000 times	10000 times

Dimensions / Characteristic curve



Keyword: 32,63,80,100A, 1,2,3,4 Pole, Consumer Unit Mount, Distribtuion Board Mount
SHL30 Switch-disconnectors

Main specification and technical parameter

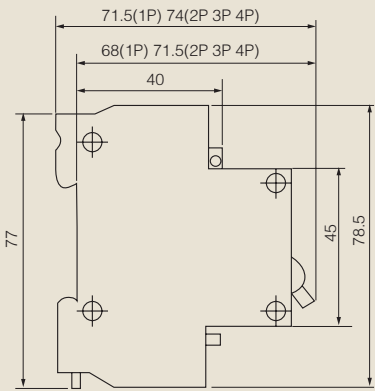
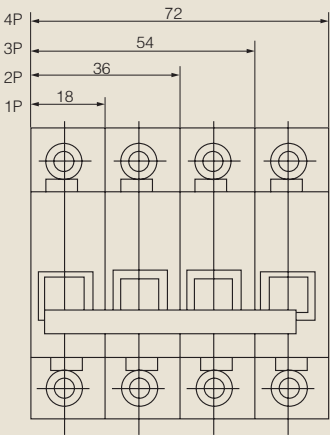
- No.of poles: 1-pole, 2-pole, 3-pole, 4-pole;
- This breaker is Plugin installation mode (can be installed on the installation rail).
- Power frequency withstand voltage: after being in condition for hot and humidity performance, this breaker can bear 2500V power frequency withstand voltage test for 1 min and without any insulation flashover and breakdown phenomenon.
- Mechanical and electric life: mechanical life is 2000 times, electric life is 6000 times.



Specifications

Rated Voltage (V)	Rated current (A)	Rated breaking capacity	Rated short time with stand current (A)	Rated short circuit on off capability	Rated fuse short circuit current (kA)
230/415V	32,63,80,100	1.1mn, 3In COS Φ = 0.65	200t=1s	30In, t ≥ 0.1S COS Φ = 0.5	20

Dimensions



S-MCB Series miniature circuit breaker

STHQL

Specifications

- Number of Poles: 1/2P, 1P, 2P, 3P, 4P
- Rated current(A): 6, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
- Rated voltage(V): 110/220(1P), 240/415(2P), 415(3P)
- Rated breaking capacity(A): 3000
- Electrical life: 6000
- Mechanical life: 20000



SD

Specifications

- Number of Poles: 1P, 2P, 3P
- Rated current(A): 6, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
- Rated voltage(V): 110/220(1P), 240/415(2P), 415(3P)
- Rated breaking capacity(A): 3000
- Electrical life: 6000
- Mechanical life: 20000

STQL

Specifications

- Number of Poles: 1P, 2P, 3P, 4P
- Rated current(A): 6, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
- Rated voltage(V): 110/220(1P), 240/415(2P), 415(3P)
- Rated breaking capacity(A): 3000
- Electrical life: 6000
- Mechanical life: 20000



S-MCB Series miniature circuit breaker

SBH

Specifications

- Number of Poles:1P,2P,3P
- Rated current(A):6,10,15,20,25,30,40,50,60,70,80,90,100
- Rated voltage(V):110/220(1P),240/415(2P),415(3P)
- Rated breaking capacity(A):3000
- Electrical life:6000
- Mechanical life:16000
- Dimensions:42 × 28 × 43.5
- Gross weight:22kg Net weight:21kg



SBH-P

Specifications

- Number of Poles:1P,2P,3P
- Rated current(A):6,10,15,20,25,30,40,50,60,70,80,90,100
- Rated voltage(V):110/220(1P),240/415(2P),415(3P)
- Rated breaking capacity(A):3000
- Electrical life:6000
- Mechanical life:16000
- Dimensions:34 × 28 × 44
- Gross weight:22kg Net weight:21kg

SNEN

Specifications

- Number of Poles:1P,2P,3P
- Rated current(A):6,10,15,20,25,30,40,50,60,70,80,90,100
- Rated voltage(V):110/220(1P),240/415(2P),415(3P)
- Rated breaking capacity(A):3000
- Electrical life:6000
- Mechanical life:16000
- Dimensions:41.5 × 32 × 33
- Gross weight:24kg Net weight:23kg



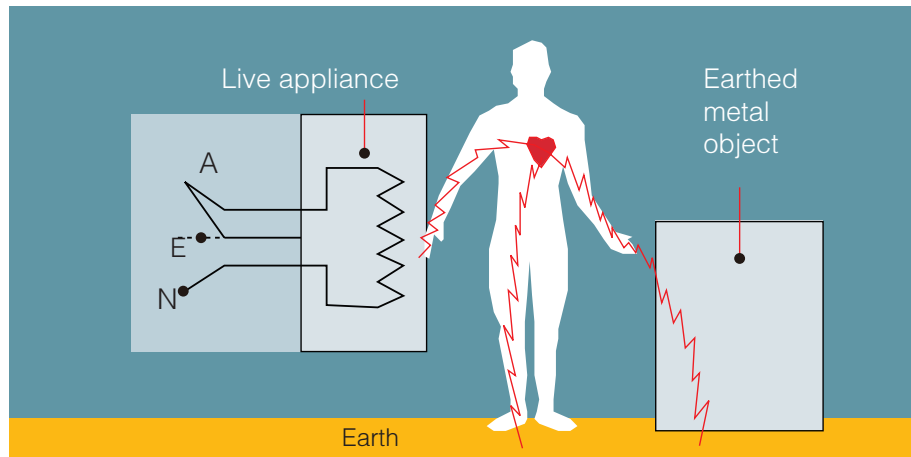
Supply type A and type AC RCD
Tripping is reliable and stable
No malfunction

What a lifesaver!

Safety in numbers

The SUNTREE range continues to grow. Since the late 1997s XINCHI has led the way in the development of Residual Current Device (RCD) technology (commonly known as the Safety Switch), with a product range that is constantly increasing and being improved to meet the needs of consumers.

So whether you require fixed or portable protection in the home, workshop or workplace, XINCHI has the Lifesaver for the job.



Setting a high standard

XINCHI is an industry leader when it comes to electrical products. Over the years, the company has continually set high standards for electrical products in Australia and around the world.

The Safety Switch has been a major contributing factor in the continued reduction of electric shocks and electrical safety hazards.

Standards

XINCHI' s Lifesaver range provides all homes and workplaces with the equipment to comply with the RCD requirements of AS/NZS 3000 Wiring Rules. In addition to this, it is worth noting in December 2010 the NSW Government announced that by 2014 all businesses will be required to protect workers with Safety Switches where reasonably practicable.

This new electrical standard will bring NSW in line with four other Australian jurisdictions (SA, WA, NT and QLD), all of which already have Safety Switch workplace provisions in place.

Protecting your equipment

As well as protection from electrocution, an RCD will also cut off power to expensive electrical equipment in the event of an electrical fault to Earth. This protects appliances from costly damage and the installation from fire.

For total protection of your equipment, RCDs must be used in conjunction with Miniture Circuit Breakers (MCBs), together with surge protection.

Protecting you

When a power tool or appliance is in use, your XINCHI Lifesaver continually monitors and compares the current flowing through the Active and Neutral circuits of the electrical installation. In the event of a current flow to Earth, an imbalance will occur. If this imbalance is sufficient, the XINCHI Lifesaver will cut the power in a fraction of a second.

Keyword: 6~32A,1+N,18mm, 30mA, Breaking capacity: 4.5/6.0kA, SAA Certificate
The RCD temperature rising is small, No malfunction

SDRNL Mini RCD

Application

SDRNL earth leakAge circuit breakers aremainly applied to the AC 50/60Hz 1Hz circuit rated 240V and 32A or below, They have the electric leakAge(electric shock),overload,short circuit and so on protection functions . the over voltage protection functions.The over voltage protection function can also be provided upon requirements. They are mainly used to protect the buiding illumination and power distrion system.

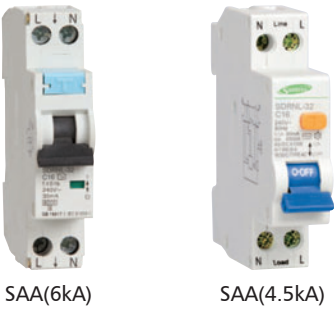
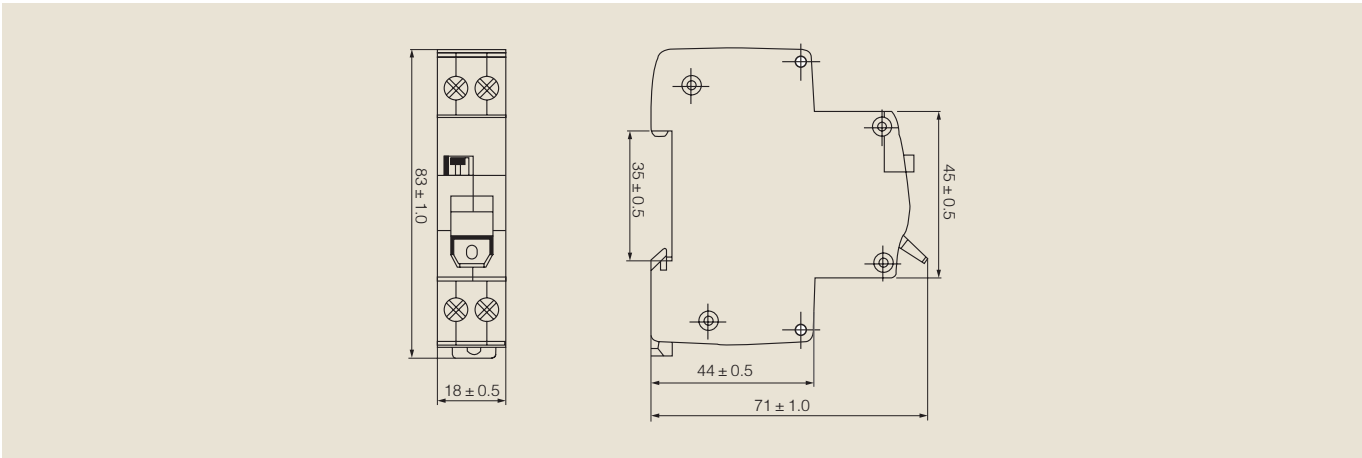
Specifications

Rated Voltage(V)	Rated Current (A)	I Δ n (mA)		I Δ no (mA)		Breaking Times(S)				I Δ mA (A)
		I Δ n	(mA)	I Δ no	(mA)	I Δ n	21 Δ n	0.25A	500A	
240	6 10 16 20 25 32	30 100		15 50		0.1	0.05	0.4	0.04	3000

Normal Operation Conditions

- Ambient Air temperature:Ambient air temperature range from -5℃ ~+40℃ ,not exceeding 35℃ averagely in 24 hours.
- Location:installation location can not exceed 2000 meters above sea level.
- Air conditons:Relative humidity in the installation palce can not exceed 50% when the air reaches the highest temperature +40℃ , the average minimum temperature when it is the wettest can not exceed 25℃ Relative humidity not exceeding 90%.
- Installation conditions:Magnetic field outsid the installation place can not exceed 5 times of the site of terrestrial magnetism in all directions.Normally speaking,RCBO should be mounted vertically .If the operation handle puts through power source upward,there should be no notable impact and vibration in the installation place.
- LeakAge protection function of RCBO is tested and adjusted by the manufacture,users can not open the products at random during usage.
- After using RCBO for a certain time(normally one month) , test button should be pressed noce in a state of making the circuit to check whether the function of RCBO is normal and reliable(press test button once, the RCBO can break off noce) . If abnormal, it should be unloaded and sent to the manufacturer to repair.
- RCBO can not be wetted or soaked by rain,snow or water during the course or transportation storage and usage.

Dimensions



Keyword:1-63A,1P,1P+N,2P,3P,3P+N,4Pole, 30,100,300,500mA, Distribtuion Board Mount
Small shell(32A) Large shell(63A)

SC45L RCD

Application

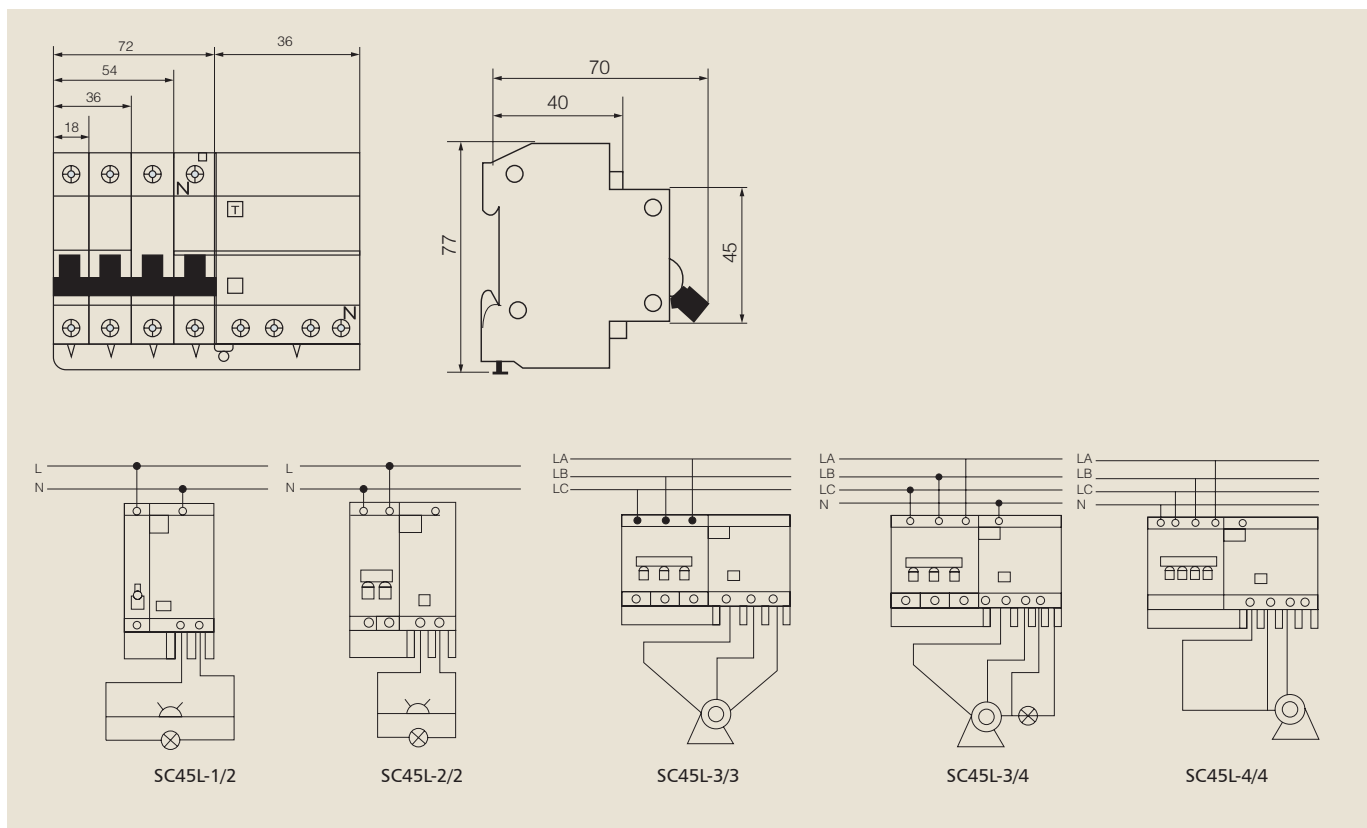
SC45L earth leakAge circuit breaker is used for the protection,against electrical leakAge in the circuit of 50/60Hz, rated voltage single-phase 230V, 3 phase 415V, rated current up to 60A When somebody gets an electric shock or the residual current of the circuit exceeds the fixed value,the RCD can cut off the power within the time of 0.1s automatically protecting the equipment from the fault resulted by the residual current. With this function,the RCD can protect the circuit against overload and short circuit or can be used for the unfrequented switch over of the circuit under normal conditions. It conforms to IEC60898 & IEC61009.1.



Specifications

Rated Voltage (V)	Pole number	Rated current (A)	LeakAge Action Current(mA)	LeakAge Dead Current(mA)	LeakAge Action Time(s)
230V	1P	1~10	30	15	< 0.1
		15~32			
415V	2,3,4P	40~63	100	50	

Wiring diagram



Keyword: 6~100A, 1P,1P+N,2P,3P,3P+N,4Pole, Distribtuion Board Mount, Assembled RCD

SC45L-125H RCD

Application

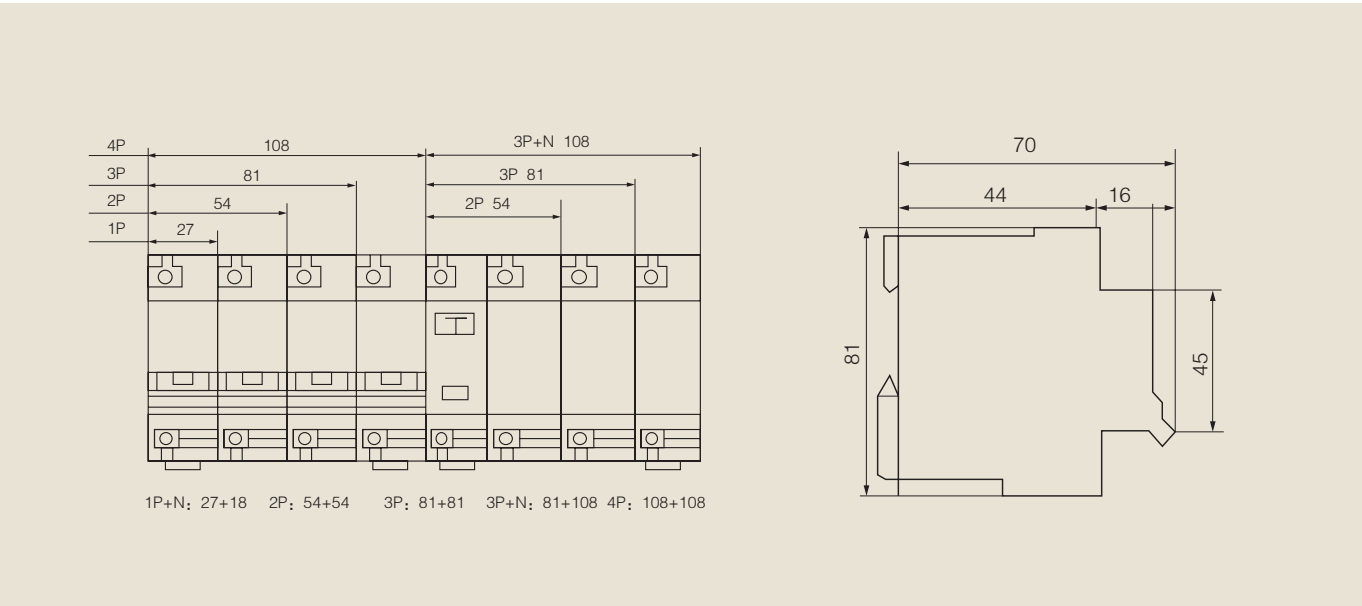
SC45L-125H is suitable for the circuit of 50Hz, rated voltage 230V/415V, and rated current up to 100A, It has the earth leakAge, overload ,short circuit protect function. And it can also add over voltage protect function. It is mainly used in building illuminating and electrical distribution system.

Specifications



Voltage (V)	Rated frame current (A)	NO. of Pole	Neutral pole	Rated breaking capacity I _{cu} cos Φ	Rated operated current	Rated no-operation current I _n mA	Tripping time(s)	Tripping type		
230	125	1	+N	40	10000	0.5	30	15	<0.1	C
230		2		50	10000	0.5	50	25	<0.1	C
415		3		63	6000	0.5	100	50	<0.1	C
230/415		3	+N	80	6000	0.5	200	100	<0.1	C
230/415		4		100	10000	0.5	300	150	<0.1	C
230		1	+N	40	10000	0.5	30	15	<0.1	D
230		2		50	6000	0.5	50	25	<0.1	D
415		3		63	6000	0.5	100	50	<0.1	D
230/415		3	+N	80	6000	0.5	200	100	<0.1	D
230/415		4		100		0.5	300	150	<0.1	D

Outline and installation dimensions



Keyword: 6-63A,1P,1P+N,2P,3P,3P+N,4Pole, Consumer Unit Mount
SC65L(SC60L) RCD

Specifications

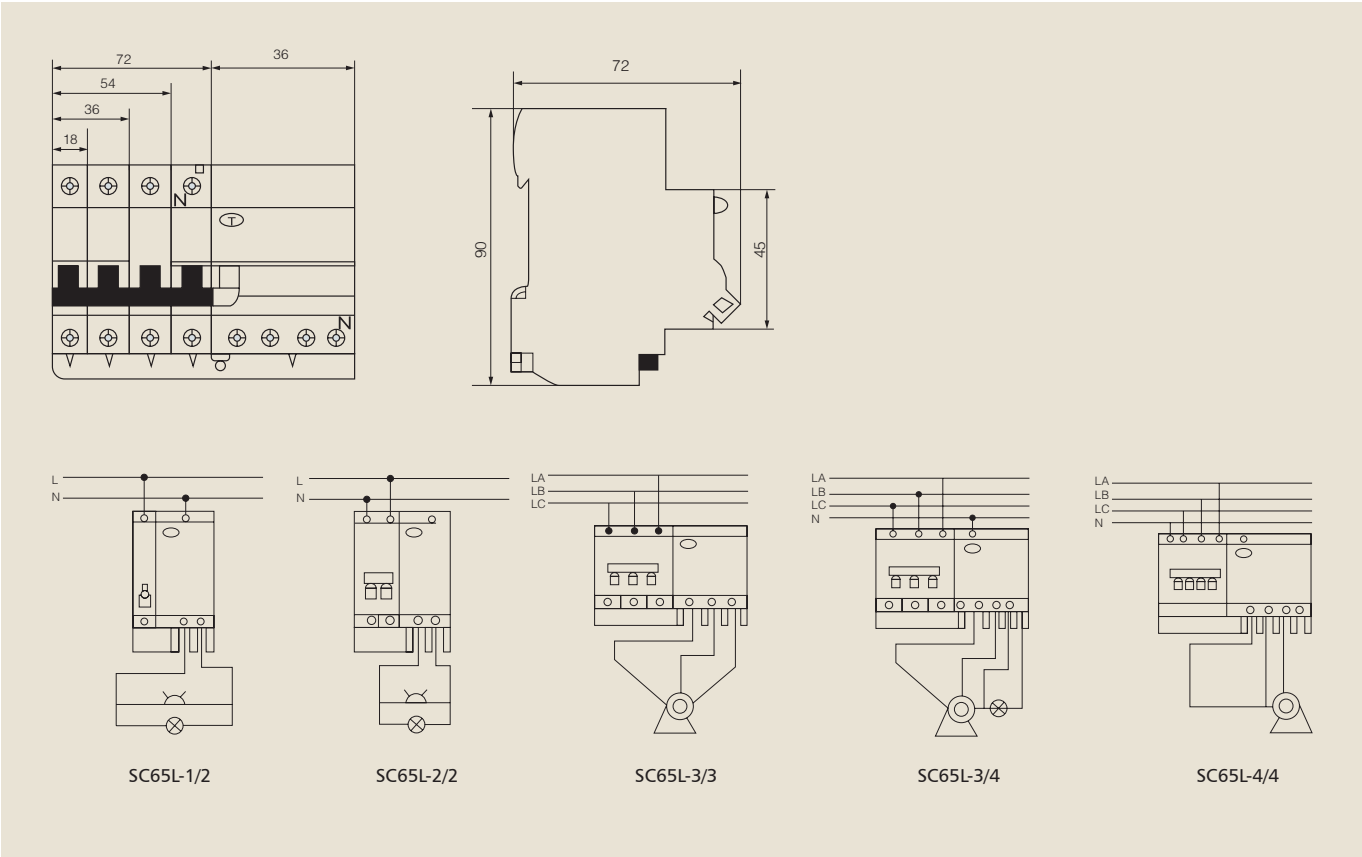
Rated Voltage	230V/415V
Rated current	6-63A
Rated frequency	50Hz
Rated breaking capacity	10/6kA
Tripping characteristic	B,C,D
Rated residual current	30mA,50mA,300mA,500mA
Standard	IEC60898 & IEC61009.1



Wiring diagram

Single-pole Double Line	Double-pole Double Line	Triple-pole Triple Line	Triple-pole Four Line	Four-pole Four Line
SC65L 1/2	SC65L 2/2	SC65L 3/3	SC65L3/4	SC65L4/4

Dimensions

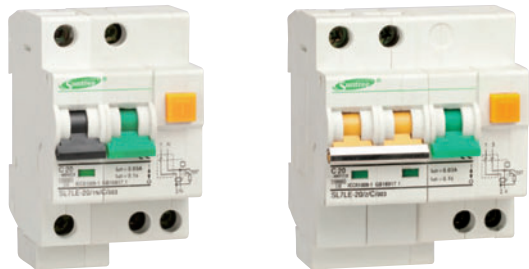


Keyword: 1-63A,1,2,3,4 Pole, Consumer Unit Mount, Distribtuion Board Mount

SL7LE RCD

Application

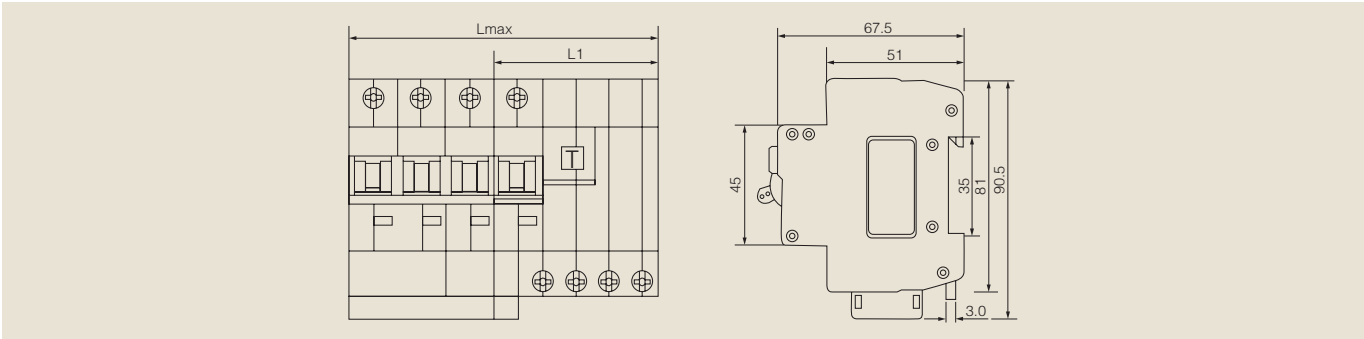
SL7LE earth leakAge circuit breaker is used for the protection,against electrical leakAge in the circuit of 50/60Hz, rated voltage single-phase 230V, 3 phase 415V, rated current up to 60A When somebody gets an electric shock or the residual current of the circuit exceeds the fixed value,the RCD can cut off the power within the time of 0.1s automatically protecting the equipment from the fault resulted by the residual current. With this function,the RCD can protect the circuit against overload and short circuit or can be used for the unfrequented switch over of the circuit under normal conditions. It conforms to IEC60898 & IEC61009.1.



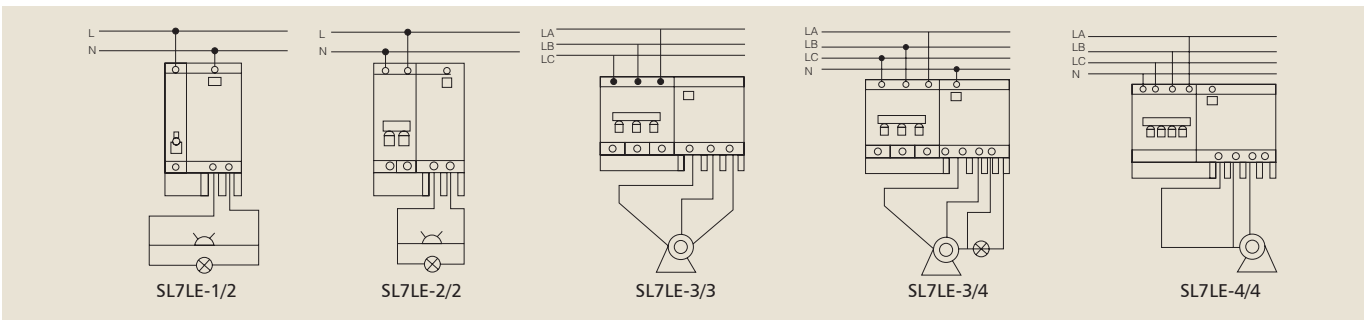
Specifications

Standard	IEC60898 & IEC61009.1
Rated Voltage(Un)	230VAC/415VAC
Rated Current(In)	1-63A
Rated Residual Operating Current(I Δ n)	30,100,300,500mA
Rated Current off-time	≤ 0.1s
Min Value of Rated Operating and Breaking Capacity(I _m)	63A
Electrical life	not less than 4000 times
Mechanical life	not less than 20000 times
Installation	On symmetrical DIN rail

Dimensions



Operating principle



Keyword: 6-50A,1+N Pole, 36mm,Consumer Unit Mount, Distribtuion Board Mount

SPFIM series RCD

Application

The RCD apply to the circuit of AC 50Hz with rated voltage up to 400V, rated current up to 50A, power supply neutral point ear thing. Main use in protect of person get an electric shock and protect the building s circuit devices over current, it also can protect the earthing fault.

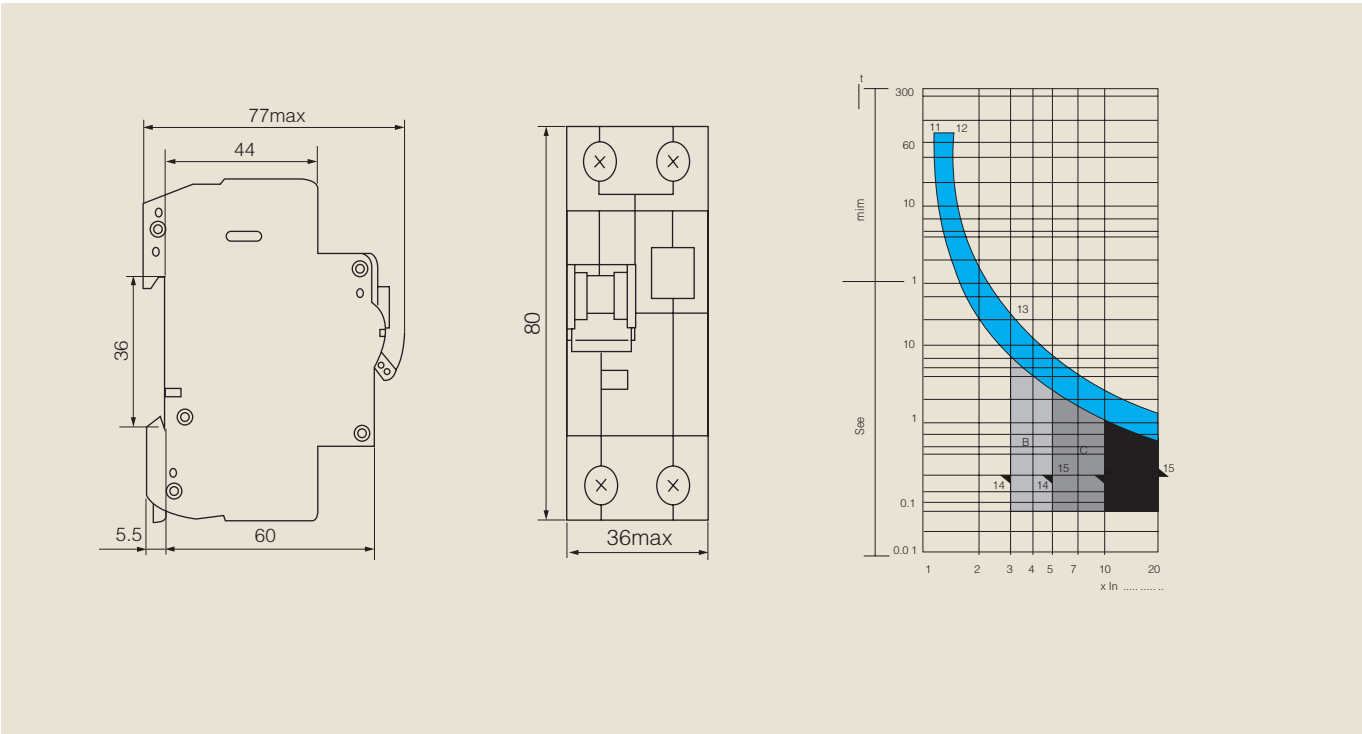
The RCD is according with IEC61009.1 standard.



Specifications

Frame case grade rated current Inm (A)	Pole	Add neutral wire	Rated residual operating current I n(mA)	Rated residual non operating current I n(mA)	Rated short circuit breaking capacity			Rated residual switch on breaking capacity (A)	Over current instantaneous release type
					Voltage (V)	Breaking capacity	cos Φ		
50	1	N	6, 10, 16, 20 25,32, 40,50	30, 50, 100, 300	230	1000	0.5	3000	B, C, D (D type In up to 40A)
40	1	N	6, 10, 16, 20 25, 32, 40	30, 50, 100, 300	230				B, C, D (D type In up to 40A)

Dimensions / Curve



Keyword: 25,40,63A ,2,4Pole, A&AC curve, Electronic and electromagnetic
SF7、SNF-7 RCD

Application

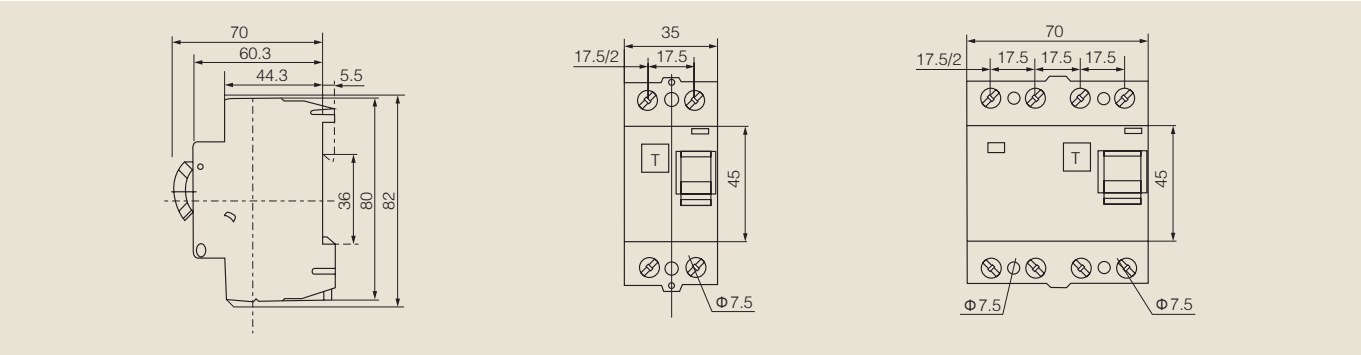
The RCD can cut off the fault circuit immediately on the occasion of shock hazard or earth leak-age of trunk Line,Thus it is suitable to avoid the shock and fire caused by earth leakAge.
The RCD is mainly suitable for use using in variety of plants and enterprises,construction, commerce,guest houses and families. It can be used in circuit single phase 230V, three phase 415V 50 or 60Hz RCD is not suitable for use using in pulse system.



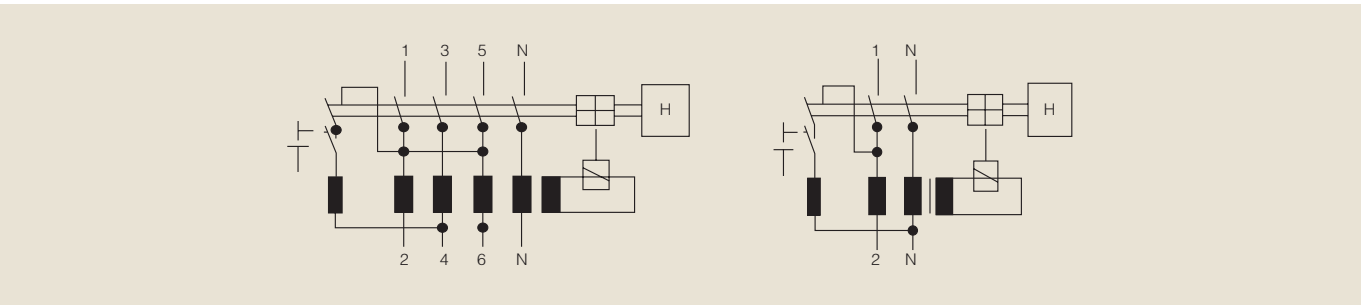
Specifications

Standard	IEC61009.1
Rated Voltage(Un)	2Pole:230VAC 4Pole:415VAC
Rated Current(In)	25,40,63A
Rated Residual Operating Current(I Δ n)	30,100,300,500mA 0.5I Δ n
Rated Current off-time	≤ 0.1s
Minimum Value of Rated Making And Breaking Capacity(I _m)	63A
Rated Conditional Short-circuit Current(N _c)	I _n =25,40A I _{nc} =1500A I _n =63A I _{nc} =3000A
Endurance	On load:2000cycles Off load:2000cycles
Installation	On symmetrical DIN rail

Dimensions



Operating principle



Keyword:25,40,63A,2,4 Pole, A&AC curve, Electronic and electromagnetic, Integrated model
SID RCD

Application

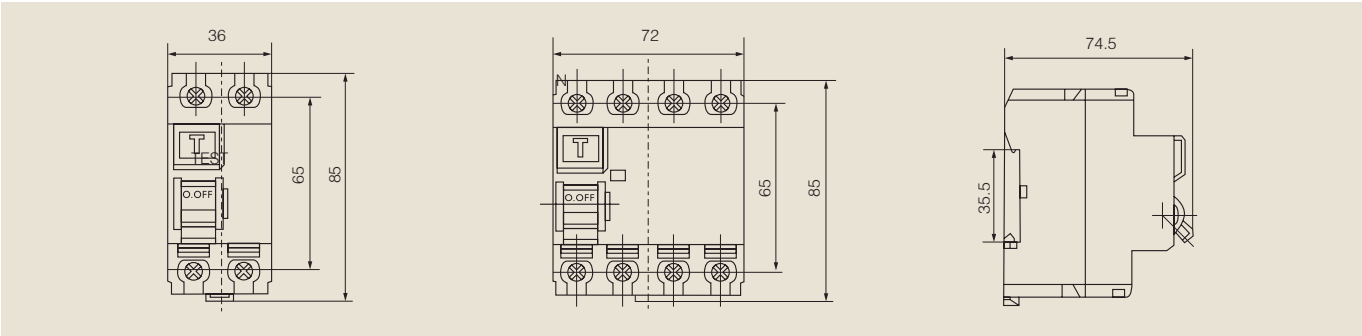
They have a residual current operated electromechanical release which operates without any auxiliary source of supply to open a circuit automatically in the case of an earth leakAge fault between phase and earth greater than or equal to a threshold of 30mA, 100mA, 300mA or 500mA.



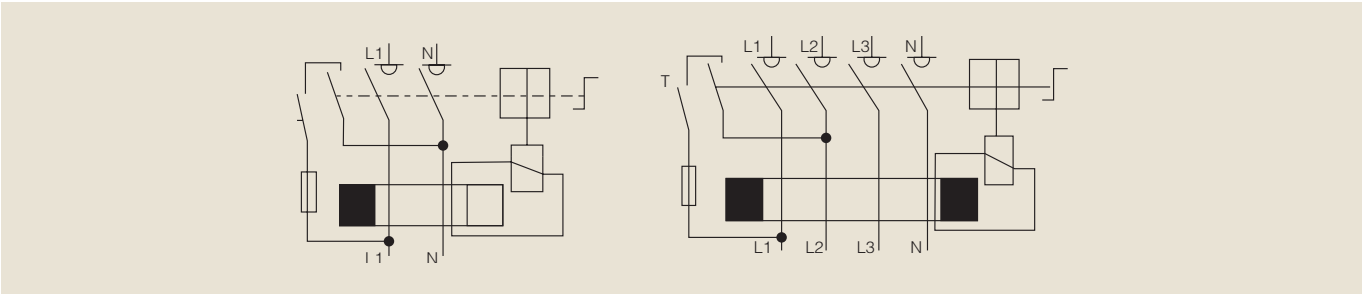
Specifications

Standard	IEC61009.1
Rated Voltage(Un)	2Pole:230VAC 4Pole:415VAC
Rated Current(In)	25,40,63A
Rated Residual Operating Current(I Δ n)	30,100,300,500mA
Rated Residual Non-operating Current(I Δ no)	0.5I Δ n
Rated Current off-time	≤ 0.1s
Breaking Capacity(kA)	6000
Rated Conditional Short-circuit Current(Icn)	500A
Endurance	In=25,40A Inc=1500A, In=63A Inc=3000A
Short-circuit Capacity(Icn)	On load:2000 cycles, off load:2000 cycles
Endurance	≥ 4000

Dimensions



Operating principle



Keyword: 25,40,63A, 2,4Pole, A&AC curve, Electronic and electromagnetic
SIDN RCD

Application

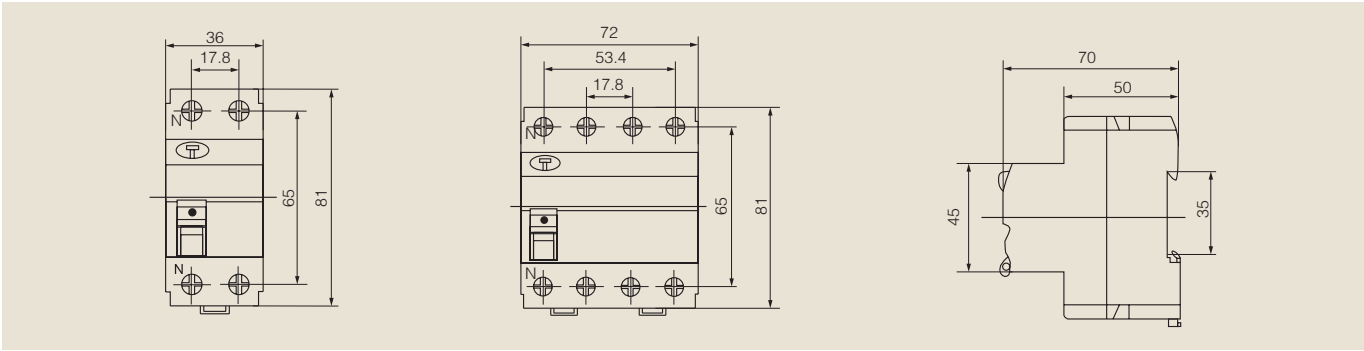
SIDN Residual current circuit breaker without over current protection conforms to the standards of IEC61009.1、BS4293 etc, It is used in the circuit of AC 50/60Hz. single phase 230V, three phases 415V in industrial & mining enterprises, Commercial buildings and housing for protection of personal electric shock hazard, and also can be used for unfrequented switch over circuit under normal conditions.



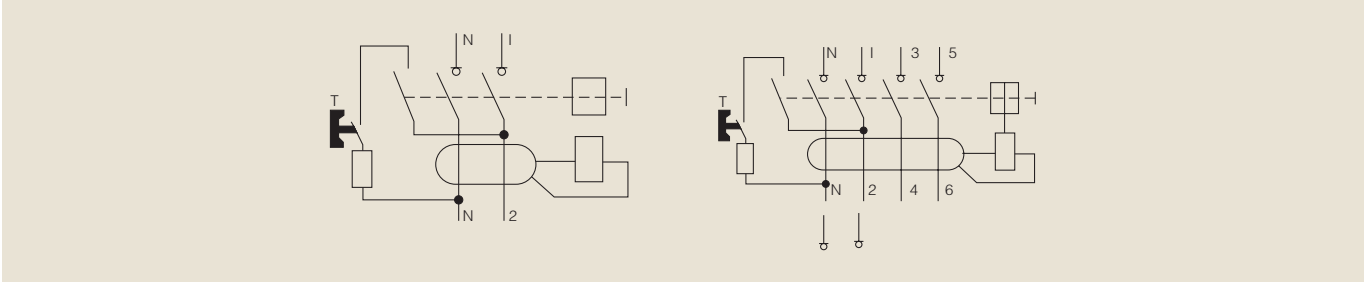
Specifications

Standard	IEC61009.1、BS4293
Rated Voltage(Un)	2Pole 230VAC 4Pole 415VAC
Rated Current(In)	25,40,63A
Rated Residual Operating Current(I Δ n)	30,100,300,500mA 0.5I Δ n
Rated Current off-time	≤ 0.1s
Mini Value of Rated Operating and Breaking Capacity(I _m)	1kA
Rated Conditional Short-circuit Current(I _{nc})	I _n =25,40A I _{nc} =1500A I _n =63A I _{nc} =3000A
Endurance	On load:2000cycles off load:2000cycles
Installation	On symmetrical DIN rail

Dimensions



Operating principle



Keyword:16-63A, Shell is made of plastic and Electric Jado powder, Electronic and electromagnetic, Different appearance
SF360 RCD

Application

The item is in accordance with standards of IEC61009.1 and BS4293 etc. Applying to the circuit of AC 50/60Hz,230V single phase,415V three phases and below it for industrial and mining enterprise,building trade,commerce and family. To mainly prevent electric fire and personal casualty accident caused by personal electric shock or leakAge of electrified wire netting,this RCD is a current-operated,fast leakAge protector of pure electromagnetic type. Which can break off fault circuit rapidly in order to avoid occurrence of accident.



Plastic shell



Electric Jado Powder shell

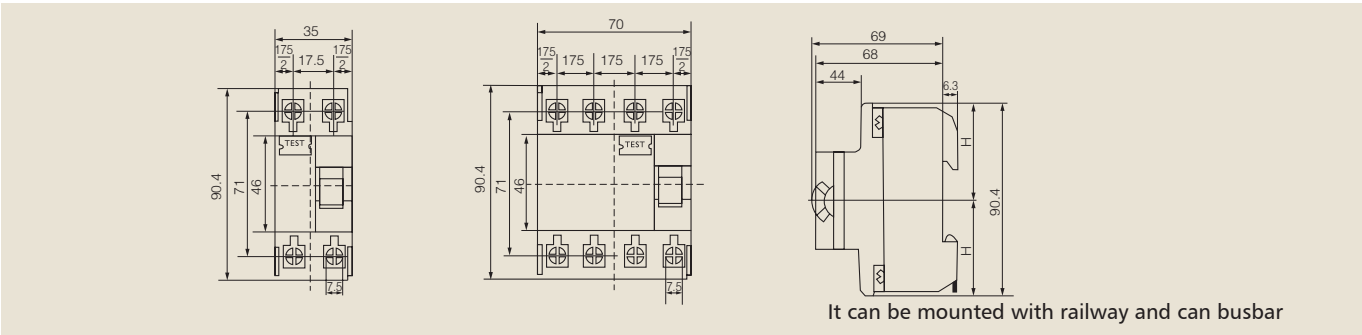
Specifications

Type	Rated Current(A)	LeakAge Acting Current	Range of Break-off	Rated Voltage
SF362	16A,25A,32A,40A,63A	10mA,30mA,100mA,300mA	0.5~1.0XI Δ n	230V(220V)
SF364	25A,32A,40A,63A	30mA,100mA,300mA	0.5~1.0XI Δ n	230V/415V (220V/380V)

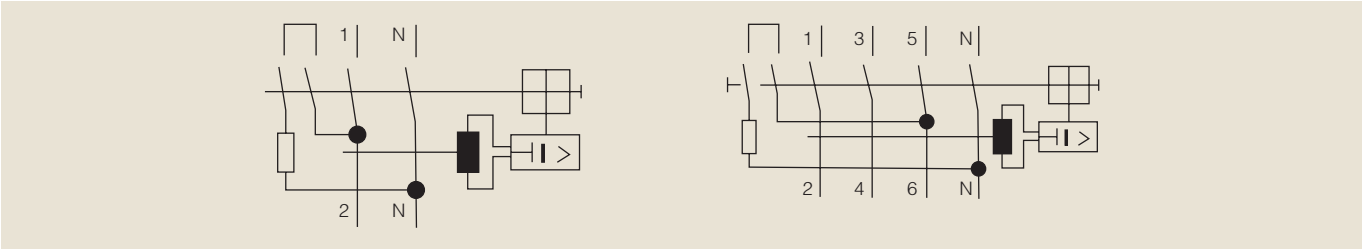
Technical data

Tripping Time	100ms(depending on specifications 5XI Δ n400ms)
Ambient Temperature	-5℃ ~+55℃
Climatic Resistance	55℃/28℃ cycles
Vibration Resistance	Min 5g 30mm, 0~8Hz
Life Expectance	More Than 10,000Times

Dimensions



Operating principle



Keyword: 25,40,63A,2,4 Pole Consumer Unit Mount, Distribtuion Board Mount

SFI-100 RCD

Application

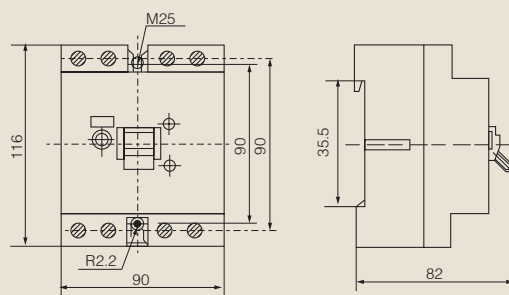
SF1-100 Residual current circuit breaker provide the functions of isolation switching and earth leakAge protection of electrical circuits. And also provides the indirect protection of the operator's body against the dangerous effects of electric current and provides the protection of the fire caused by the electrical circuit fault.



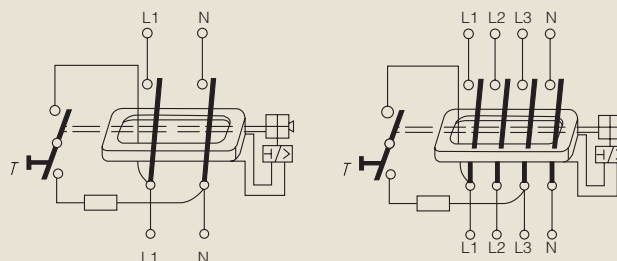
Specifications

Type	SF1-100	
Standard	IEC61009.1	
No.of Poles	2P,4P	
Rated Current(In)	25,40,63A	
Rated Residual Operating Current(I Δ n)	30,100,300,500mA	
Rated Residual Non-operating Current(I Δ no)	0.5I Δ no	
Rated Voltage(Un)	AC 230(240)/400(415)V	
Residual Current off-time	$\leq 0.1s$	
Short-circuit Capacity(Inc)	In=25,40A Inc1500A In=63A Inc3000A	
Endurance	On load	2000cycles
	Off load	2000cycles
Protection Degree	IP20	

Dimensions



Operating principle



Keyword: 25,40,63A, 2,4 Pole Consumer Unit Mount, Electronic and electromagnetic
SFIN RCD

Application

The earth leakAge circuit breaker SFIN is in conformity with the standards of IEC61009.1 and BS4293.
It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakAge of trunk line.It is suitable to avoid the shock hazard and fire caused by earth leakAge.
SFIN RCD is mainly suitable for use in varieties of plants and enterprises. Building,construction,commerce,guest houses and families,it can be used in circuits up to single phase 240V, three phases 415V, 50/60Hz.

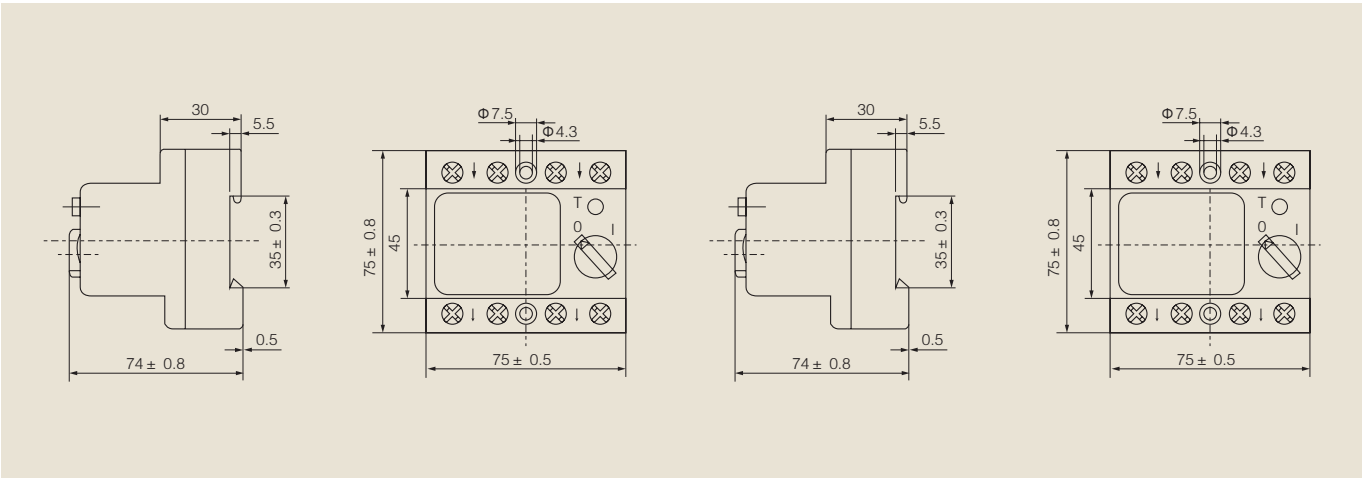


Specifications

Type	SFIN25	SFIN40	SFIN63
Rated Current L Δ n(A)	25	40	63
Rated Operating Current For Earth LeakAge L Δ n(A)	0.03,0.1,0.3,0.5		
Rated Non-operating Current For Earth LeakAge L Δ n(A)	0.5I Δ n(A)		
Voltage(V)	240(220)/415(380)		
Pole No.	2	4	

Operating Time(second)	I Δ n(A)	2I Δ n(A)	0.25A(or51 Δ n)
Limited Value of Non-operating Current For Balance Load or Unbalance Load	0.2	0.1	0.04
In Min Value of Rated Operating and Breaking Capacity	In=25 200	In=40 300	In=63 400
Rated Conditional Short Circuit Inc(A)	1500	2000	3000
Endurance(times)	4000		

Dimensions



Keyword: 25,40,63A, 2,4Pole, A&AC curve, Electronic and electromagnetic, Color indicates
SNFIN RCD

Application

The residual current device(RCD)NCIN is in conformity with the standards of IEC61009.1 and BS 4293.

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.

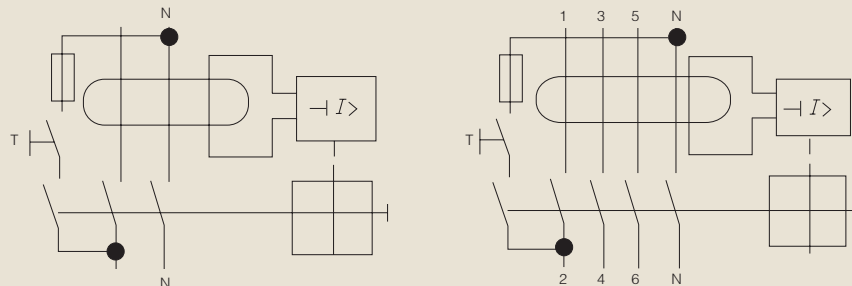
SNFIN RCD is mainly suitable for using in varieties of plants,enterprises,building Constructions, commerce,hotels and families. It can be used in circuit up to single phase 230V, three phase 415V, 50/60Hz.



Specifications

Rated Voltage(Un)	2Pole:230V AC 4Pole:415V AC
Rated Current(In)	25,40,63A
Rated Residual Operating Current($I_{\Delta n}$)	30,100,300,500mA
Rated Residual Non-operating Current($I_{\Delta no}$)	$0.5I_{\Delta n}$
Rated Current off-time	$\leq 0.1s$
Min Value of Rated Operating and Breaking Capacity(I _m)	1kA
Rated Conditional Short-circuit Current(I _{nc})	I _n =25,40A I _{nc} =1500A I _n =63A I _{nc} =3000A
Installation	On symmetrical DIN rail
Endurance(times)	4000

Operating principle



Keyword: 25,40,63A,2,4Pole, A&AC curve, Distribtuion Board Mount, Similar Hager

SCD (SAD) RCD

Specifications

Standard	IEC61009.1
Rated Voltage(Un)	2Pole:230VAC 4Pole:415VAC
Rated Current(In)	25,40,63A
Rated Residual Operating Current(I Δ n)	30,100,300,500mA
Rated Current off-time	$\leq 0.1s$
Minimum Value of Rated Operating and Breaking Capacity(I _m)	1kA
Rated Conditional Short-circuit Current(I _{nc})	I _n =25,40A I _{nc} =1500A I _n =63A I _{nc} =3000A
Installation	On symmetrical DIN rail

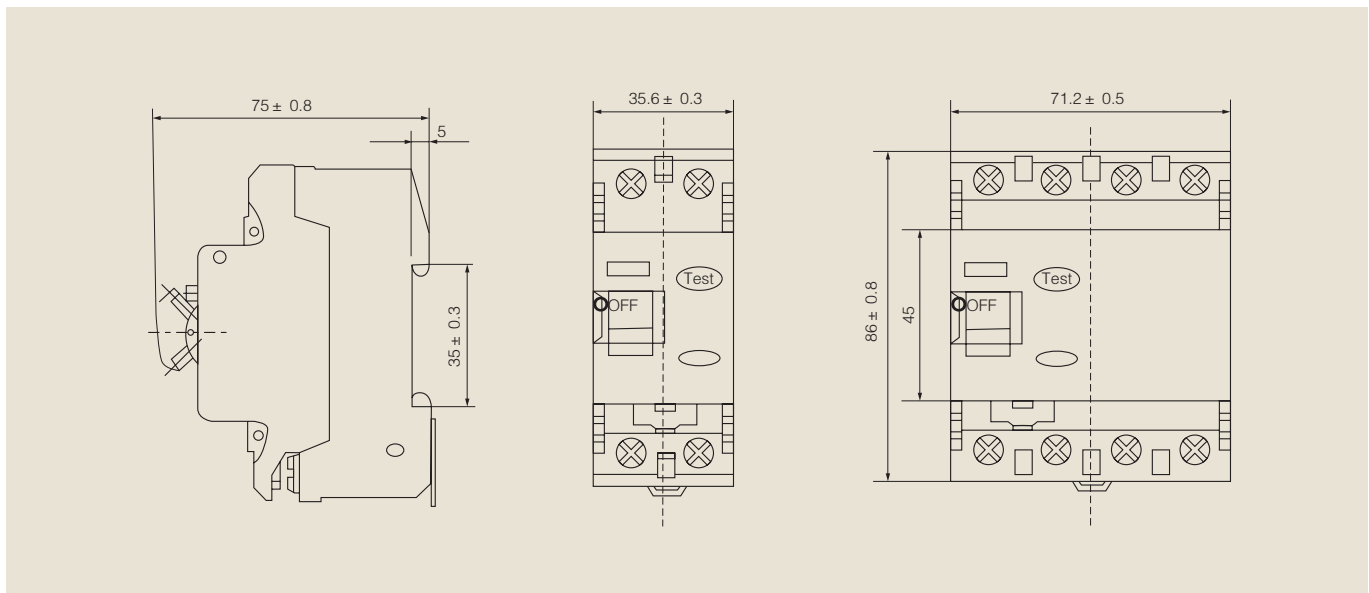


SCD

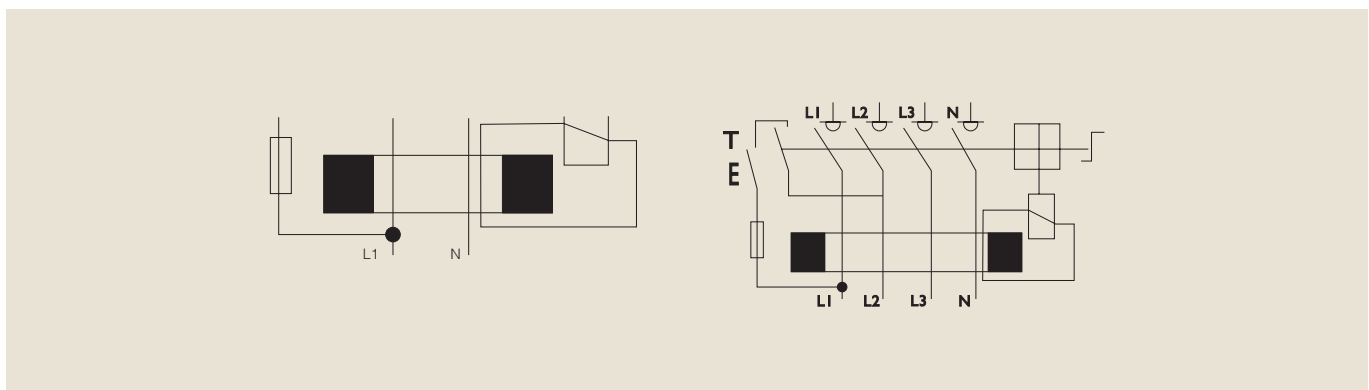


SAD

Dimensions



Operating principle



Keyword: 16,25,40,63A, 2,4Pole, A&AC curve, Consumer Unit Mount, Distribtuion Board Mount
SDXL RCD

Application

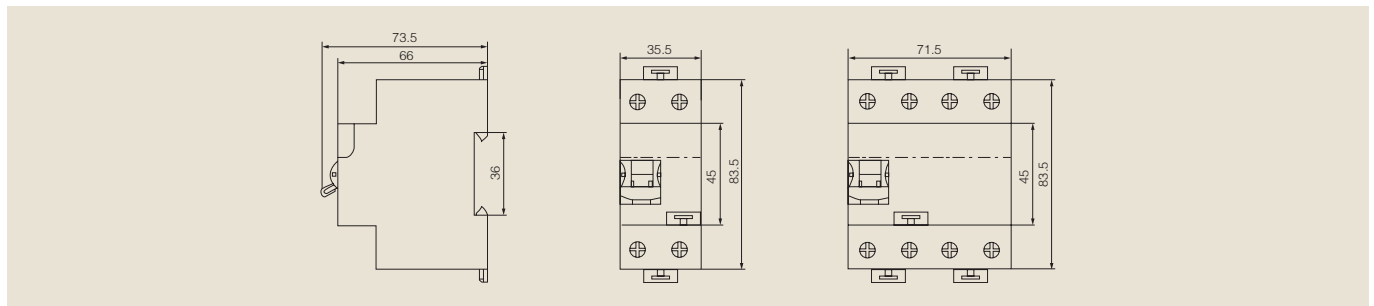
SDXL series Residual current breaker (without over-current protection) is suitable for the line of AC 50/60Hz,voltage 240V(2pole)/415V(4pole),rated current up to 63A.When there is human electricity shock or if the leakage current of the line exceeds the prescribed value, it will cut off the power rapidly to protect human safety and prevent the accident due to the current leakage.It can be used as infrequent changeover of the line in normal situation. It is applicable to industrial area, commercial area, tall building and civil house.It complies with standard IEC61009.1.



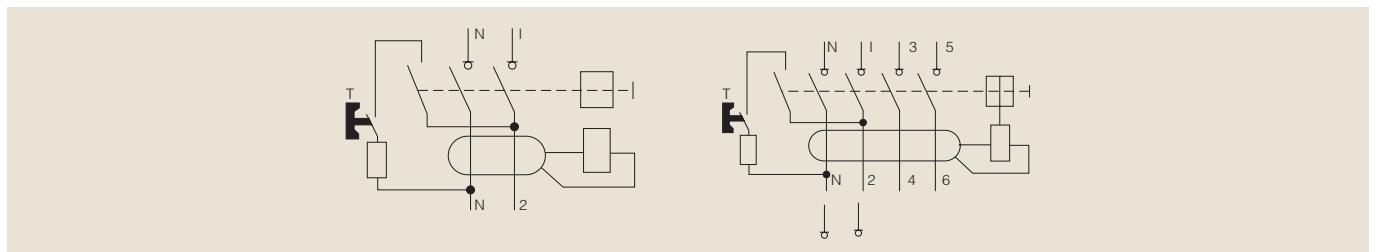
Specifications

Frame class	63A
Rated working voltage	240/415V
Rated frequency	50/60Hz
Rated working current	16,25,40,63A
Rated rdsidual operating current	0.03,0.1,0.3,0.5A
Rated residual un-operating current	0.015,0.05,0.15,0.25A
Sensibility	A&AC Type
Maximum operating time	$I \Delta nt \leq 0.1s, 5I \Delta nt \leq 0.04s$
Rated making and breaking capacity	$I_n \leq 50A$ 500A, $I_n \leq 63A$ 630A
Limiting value of un-operating current	6In
Rated limiting short-circuit current	6000A
Pole number	2P,4P
Mechanical life	20000
Electric life	4000

Dimensions



Operating principle



Keyword: 6-80A, 2,4Pole, A&AC curve, Similar siemens, Electronic and electromagnetic

S5SM1 RCD

Application

S5SM1 series earth leakAge breakers apply to AC circuit of 50Hz, rated voltage up to 415V, rated current up to 80A. It is mainly used as an indirect 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 indirect contact,but it can not be used as the sole direct contact protection.



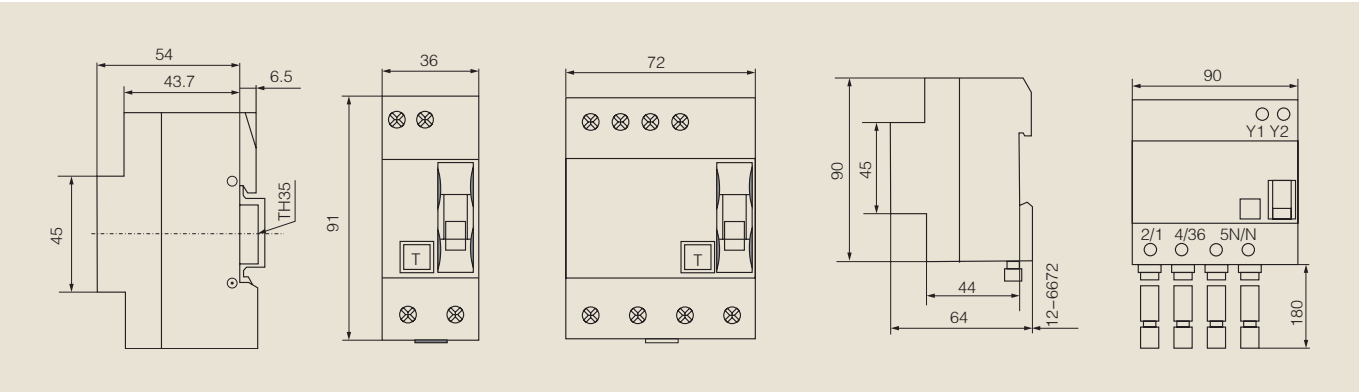
Product features

- S5SM1 series earth leakAge breaker are the protector pure electromagnetic residula current operation.
- The operation function is unrelated to circuit voltage, but operation is reliable.
- It can be reliably operated on the loss of phase or neutral.
- The capacity of resisting electromagnetic interference is strong.

Specifications

Type	Un (V)	Hz	Im	Inc	I Δ A	I Δ n	I Δ no	The Max. of break-times				
			I Δ m	I Δ m		mA	mA	1 Δ N	21 Δ N	51 Δ N	0.25A	500A
S5SM1 2P	230	50,60	500A(In 50A 10In) In 50A	6000A	6,10,16 32,40 50,63 80	30	15	0.2	0.1	-	0.04	0.04
						50	25	0.2	0.1	-	0.04	0.04
						75	40	0.2	0.1	-	0.04	0.04
						100	50	0.2	0.1	0.04	-	0.04
						300	150	0.2	0.1	0.04	0.04	0.04
						500	250	0.2	0.1	0.04	0.04	0.04
S5SM1 4P	415		500A(In 50A 10In) In 50A	6000A	6,10,16 32,40 50,63 80	30	15	0.2	0.1	-	0.04	0.04
						50	25	0.2	0.1	-	0.04	0.04
						75	40	0.2	0.1	-	0.04	0.04
						100	50	0.2	0.1	0.04	-	0.04
						300	150	0.2	0.1	0.04	0.04	0.04
							250			0.04	0.04	0.04

Dimensions



Keyword:4~40A, 1+N,2,4Pole, A&AC curve, Distribtuion Board Mount, Similar AEG

SE9 RCD

Application

SE9 is our newly developed electronic leakage circuit breakers, combine overload, short-circuit, leakage, over-voltage protection function whole in one product, it also can be mounted the under voltage release, shunt release, auxiliary contactor and other accessories in side, mainly is suitable for the commercial building and civil construction.



Specifications

			SE9	HD90/D90	HD92/D92
Standard			IEC61009		
Tripping characteristics			C	C	-
Current limit class			3	3	
No. Of Poles			1P+N	1P+N	2P、4P
Calibration Temperature(℃)			30	30	30
Operating Temperature(℃)			-25~+55	-25~+55	-25~+55
Storage Temperature(℃)			-25~+55	-25~+55	-25~+55
Rated current(A)			6-40	4-40	4-40
Rated Voltage(V)	AC(V)	1P	-	-	-
		1P+N	230/240	230/240	230/240
		2P	-	-	230/240
		3P/3P+N/4P	-	-	400
	DC(V)	1P	-	-	-
		2P(series)	-	-	-
Rated insulation Voltage	Pollution Degree 2		500	500	500
	Pollution Degree 3		440	440	440
Impulse withstand test voltage			6	6	-
Frequency(Hz)			50/60	50/60	-
Isolation application			Yes	Yes	-
Breaking Capacity(kV)	IEC61009	1P+N(230/240V)	6	6	-
Mechanical endurance			20000	20000	20000
Electrical endurance			10000	10000	10000
Add-on devices			Auxiliary contacts alarm contactes undervoltage release shunt trip	Auxiliary contacts alarm contactes undervoltage release shunt trip	-
Teminal capacity			35	35	35
Dimension	(H×D×W)86×68×Wmm/mod		18	18	18

Keyword: IEC61009, SC45L new type, Curve: C, Breaking Capacity: 4.5kA, Sensitivity: 30mA

SCDB3LE RCD

Application

SCDB3LE electronic type residual current operated circuit breakers combine the following functions:

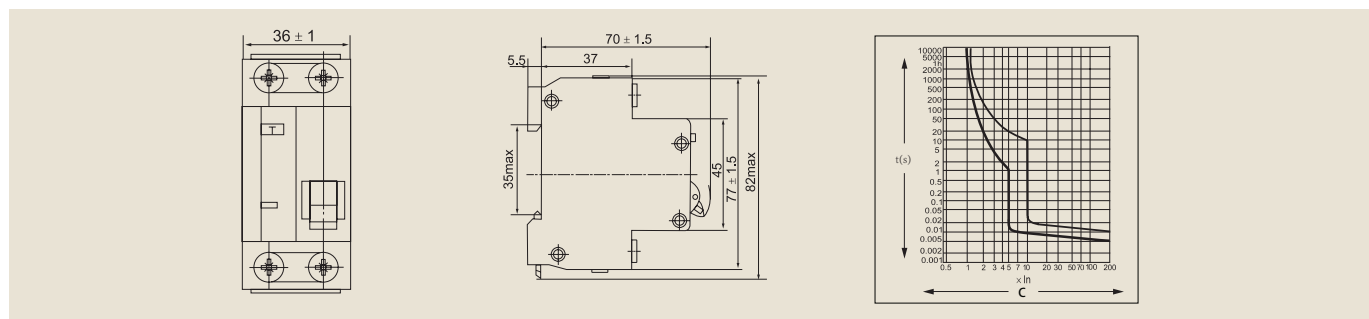
- Protection of circuits against overload currents
- Protection of circuits against short-circuit currents
- Protection of users against indirect contact
- Additional protection for users against direct contacts (30mA)
- Protection of electrical installations against insulation faults (fire hazard, etc)
- Isolation



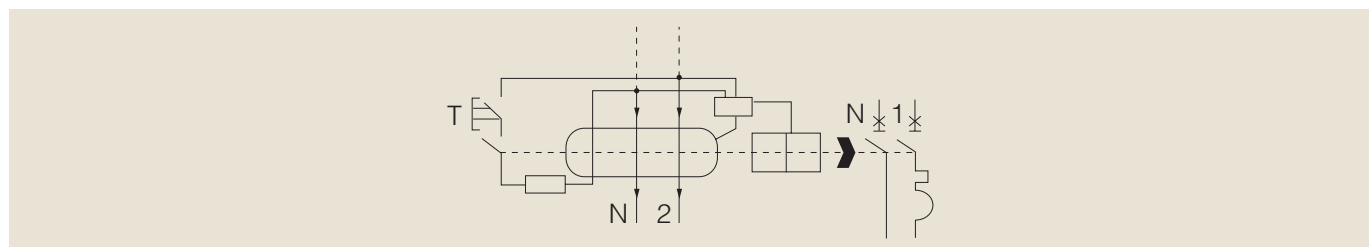
Specifications

No. of Poles	1P+N
Rated Current(I_n)	6、10、16、20、25、32、40A
Rated Operating Current($I \Delta n$)	30、100、300、500mA
Rated Voltage (U_n)	AC230(240)V
Rated Frequency	50Hz
Connection	Up to 6 mm ² cables
C curve	the magnetic release operates between 5 and 10 I_n
Residual Current off-time	$\leq 0.3s$
Short-circuit Capacity(I_{cn})	4500A
Endurance	≥ 4000
Protection Degree	IP20
Standard	IEC61009

Dimensions / Tripping Curve



Wiring diagram



Keyword: 6~32A,1P+N Pole, 36mm, The color safety instructions box
SDZ30L RCD

Application

SDZ30L leakAge protective breaker is used in the single phase residence circuit of AC 50/60Hz, rated voltage 230V, used as electron shock protection. It can protect civil electron circuit from overload and short circuit. This product has advantages of small volume,high breaking capacity zero, and live wire are cut off at the same time, also protecting person from electric shock when the live wire connected opposite. This product conforms to IEC61009, GB16917 Standards.



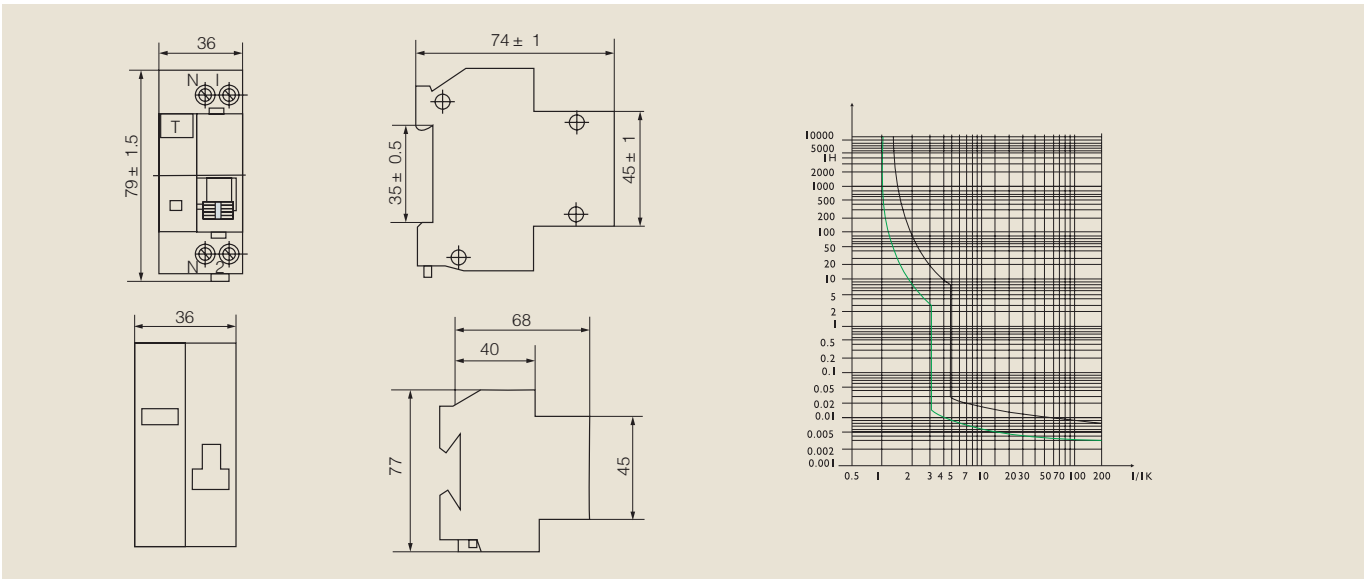
Specifications

Rated Current(A)	No.of Pole	Rated Voltage(A)	Rated Current of Frame	Rated LeakAge Operating	Rated LeakAge Non-Operating Current	Rated LeakAge Breaking Time	Breaking Capacity(A)
6,10,16,20,25,32	1P+N	230	32	30	15	≤ 0.1s	3000

Overload trip characteristic

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

Dimensions / Characteristic curve



Keyword:1-40A,1 + N Pole,Consumer Unit Mount, Distribtuion Board Mount
SDPNL-40 RCD

Application

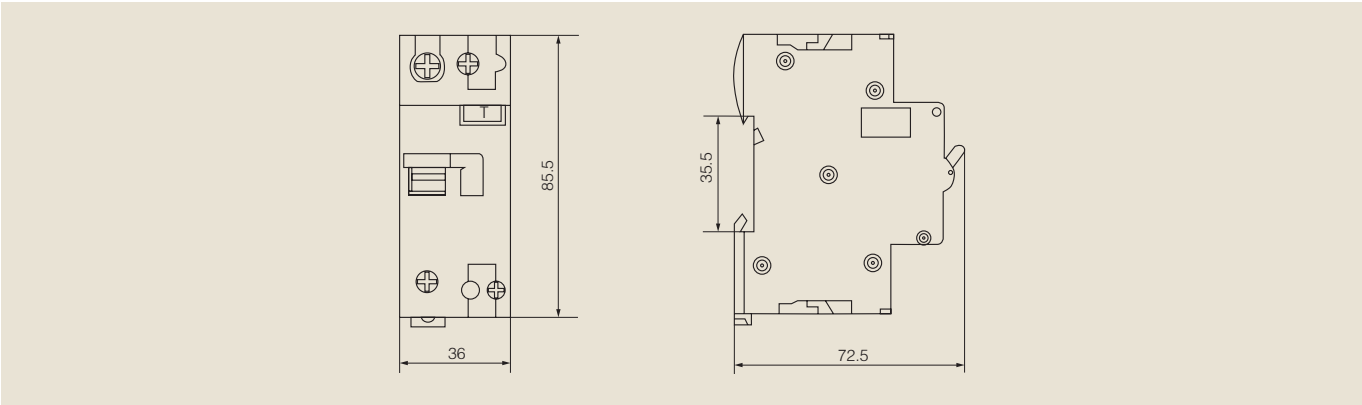
- Protection against the effects of earth leakAge overload and short circuit currents.
- 2P switching of ph & N,Phase only protected against overloads and short circuits.
- In commercial,industrial and domestic electrical distribution systems.
Note: It can’ t be used as the sole means of providing protection 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 in. The RCBO combined
- Complementary protection against direct contact.
- Protection for the installation against insulation faults.



Specifications

Type	SDPNL-40
No.of Poles	1P+N
Rated Current(In)	1、 2、 3、 4、 6、 10、 16、 20、 25、 32、 40A
Rated Operating Current(I Δ n)	30、 100、 300、 500mA
Rated Voltage (Un)	AC230(240)V
Rated Frequency	50Hz
Curve	B、 C
Residual Operating Current Scope	0.5I Δ n~1 Δ n
Residual Current off-time	≤ 0.3s
Short-circuit Capacity(Icn)	6000A
Endurance	≥ 4000
Protection Degree	IP20
Standard	IEC61009

Dimensions



Keyword: 10-25A, 1+N Pole, Similar ABB, Variety complete
SDS941/SGS260 RCD

Application

Buidings, both residential and commercial

Function: protection against both overload and short circuit currents and earth falt currents; additional protection against direct contact (thanks to I n=30A)



SDS941



SGS260 Series

Specifications

No. of poles	Type/class	Nominal fault current I Δ n mA	Nominal current In A
Icn=4.5kA,B characteristics			
1P+N	AC	30	10
			16
			20
			25
Icn=4.5kA,C characteristics			
1P+N	AC	30	10
			16
			20
			25
Icn=6kA,B characteristics			
1P+N	AC	30	10
			16
			20
			25
Icn=6kA,C characteristics			
1P+N	AC	30	10
			16
			20
			25

Keyword: 6-40A,1+N Pole, 18mm, Belt line, Distribtuion Board Mount

SNLE RCD

Application

Selection Rated residual operating current $I_{\Delta n}$ =mA
additional protection in the case of direct contact.

Tripping class

AC class-Tripping is ensured for sinusoidal, alternating currents, whether they be quickly applied or slowly increase.

Tripping curve

B curve(3-5 I_n) protection and control of the circuits against voerloads and short-circuits; protection for people and big length cables in TN and IT systems.

C curve(5-10 I_n) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.



Specifications

	Standard		IEC/EN 61009-1
Electrical features	Type (wave form of the earth leadage sensed)		AC
	Thermo-magnetic release characteristic		B,C
	Rated current I_n	A	6,10,13,16,20,25,32,40
	poles		1P+N
	Rated voltage U_e	V	240
	Rated sesitivity $I_{\Delta n}$	A	0.03
	Rated resdual making and breaking capacity $I_{\Delta m}$	A	500
	Rated short-circuit capacity I_{cn}	A	10000
	Break time under $I_{\Delta n}$	S	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage (1.2/50)Uimp	V	4000
	Dielectric TEST voltage at ind. Freq. for 1min	kV	2
Mechanical featruess	Insulation voltage U_i		500
	Pollution degree		2
	Electrical life		2000
	Mechanical life		2000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temerature(with daily average $\leq 35^{\circ}\text{C}$)	$^{\circ}\text{C}$	-5~40(Special application please refer to pe55 for temperature compensation correction)
	Storage temperature	$^{\circ}\text{C}$	-25~+70
Installation	Tmrminl connection type		Cable/U-type busbar/pin-type busbar
	Terminal size top/bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top/bottom for BUSBAR	mm ²	10
		AWG	18-8
	Tightening torque	N*m	2
		ln-lbs	18
	Mounting		On DIN rail EN 60715(35mm) by means of fast clip device
	Conection		From bottom

Keyword: 10-60A, 2,4Pole, African models circuit breaker and ELCB

SCGD ELCB

Application

SCGD earth leakAge circuit breaker,its rated current is adjustable from 10A up to 60A .User can select suitable current for better protection against overload and short circuit.



Specifications

Type	SCGD230	SCGD430
Poles	2P	4P
Rated Voltage(V)	250V/440V	
Rated Current(A)	10 15 20 30 45 50 60A adjustable	
LeakAge Motion Current(mA)	500mA	
LeakAge Dead Current(mA)	250mA	
Standard	NFC61450	

SCGD Series leakAge overload breaker

Application

SCGD earth leakAge circuit breaker is suitable in AC 50Hz,250/440V circuit with overload and overload and earth leakAge protection. The rated current is adjustable from 10A up to 60A.User can select suitable current for better protection against overload and short circuit.



Specifications

Type	SCGD230	SCGD430
Poles	2P	4P
Rated Voltage(V)	250V/440V	
Rated Current(A)	10 15 20 30 45 50 60A adjustable	
LeakAge Motion Current(mA)	300mA 500mA	300mA 500mA
LeakAge Dead Current(mA)	150mA 250mA	150mA 250mA

Widespread use for southeast Asia market
Earth leakage current is adjustable
patent product

Keyword: 1-63A,1,2,3,4Pole, Leakage current is adjustable, With LED indicator, Commonly used products of the southeast Asian market

SM3L-63 Adjust Family Type Moulded Case And Earth Leakage Circuit Breaker

Application

SM3L-63 Series RCCB is suitable for the circuit of AC 50/60Hz, rated working voltage 230V and rated current 60A and below, to make indirect contact protection to the human being and protect the circuit against over current, short circuit and surge protector in buildings or other similar locations as well. Best selling circuit breaker in Southeast Asia.

Model and implication:

S	M	3	L	60	G	Y
SUNTREE	MCCB	Designing number	Leakage function	Current grade	Over voltage Protection function	Remote control
Brand						



Specifications

a. Over voltage protection technical data

Choose shift position	Ino(mA)	In(mA)	Remark
5mA	4	8	Power on close circuit breaker, press TEST, circuit breaker working, when the power supply normal, then press function button, the LED on. when press DIRECT the red light on, the products dont working.
10mA	8	12	
15mA	12	18	
30mA	18	30	

b. Over voltage protection technical data

Testing current	Rated current	Start state	Testing time	Testing result
20 25 32 40 50 60	1.13In	Hot state	≥ 1h	Non trip
	1.45In	Hot state	1h	Trip
	5In	Cold state	≥ 0.1s	Non trip
	10In	Cold state	0.1s	Trip

Attentions:

- When use it, should choose the right one, if not the products cannt protect the circuit.
- TEST button should testing four times one month, checking the earth leakage function.
- When use it, should choose the right current, if not, the product dont have over current and short circuit protection functions.

Keyword: 6-32A,1+N Pole, Consumer Unit Mount, Distribtuion Board Mount
SNT50/SNT50L MCB、RCD

Application

SNT50 series safety type mini circuit breakers features lively machine,excellent quality,beautiful appearance,small volume. The product is suitable for AC 50Hz, rated voltage up to 240V, rated current up to 32A, it is used for protection of the overload and short circuit of all kinds of modern family applicable apparatus. It can also be used for unfrequented operation and control.



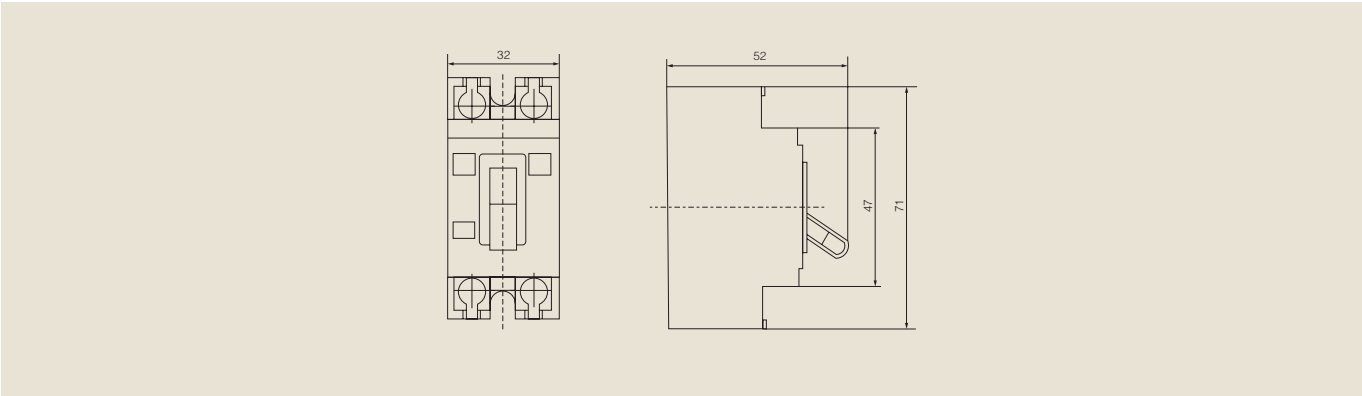
SNT50 MCB

Standard	IEC60898
Number of pole	1P+N,2P
Rated current (In)	6,10,15,20,25,32
Rated voltage(Un)	115/230V
Rated frequency	B,C
Tripping curve	≥ 6000 times
Electrical life	10000 times
Tropical ration	Treatmen 2(RH95%, at 55℃)
Protection degree	IP20

SNT50L Residual current circuit breaker

Number of pole	1P+N,2P
Rated current (In)	6,10,15,20,25,32
Rated voltage(Un)	115/230V
I Δ n(mA)	10,15,30
I Δ n(mA)	5,7.5,15
Tripping curve	≥ 6000 times
Electrical life	10000 times
Im(A)	115V/1500,230V/1000V
Protection degree	IP20

Dimensions



Plug in/out style surge protective device

Remote signaling interface, could be remote control

Suitable for the wind power generation and PV system



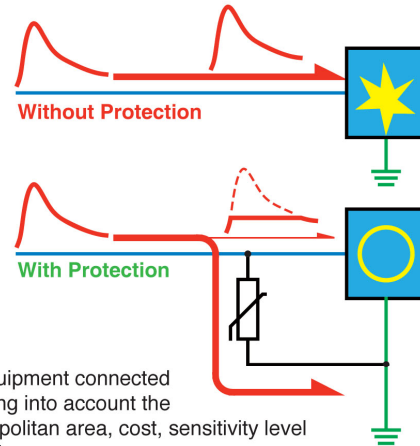
Comply with IEC61643-1, IEC61643-21 and UL1449 ed.2 Standards

Lightning induced surges and electrostatic discharges can create very strong electromagnetic radiation over long distances, which can destroy all equipments connected to any nearby power lines. Whether routed inside or outside the buildings, all lines are at risk from such discharges and therefore the use of Surge Protection Device (SPD) is highly recommended for protecting the equipments that are connected to the power lines.

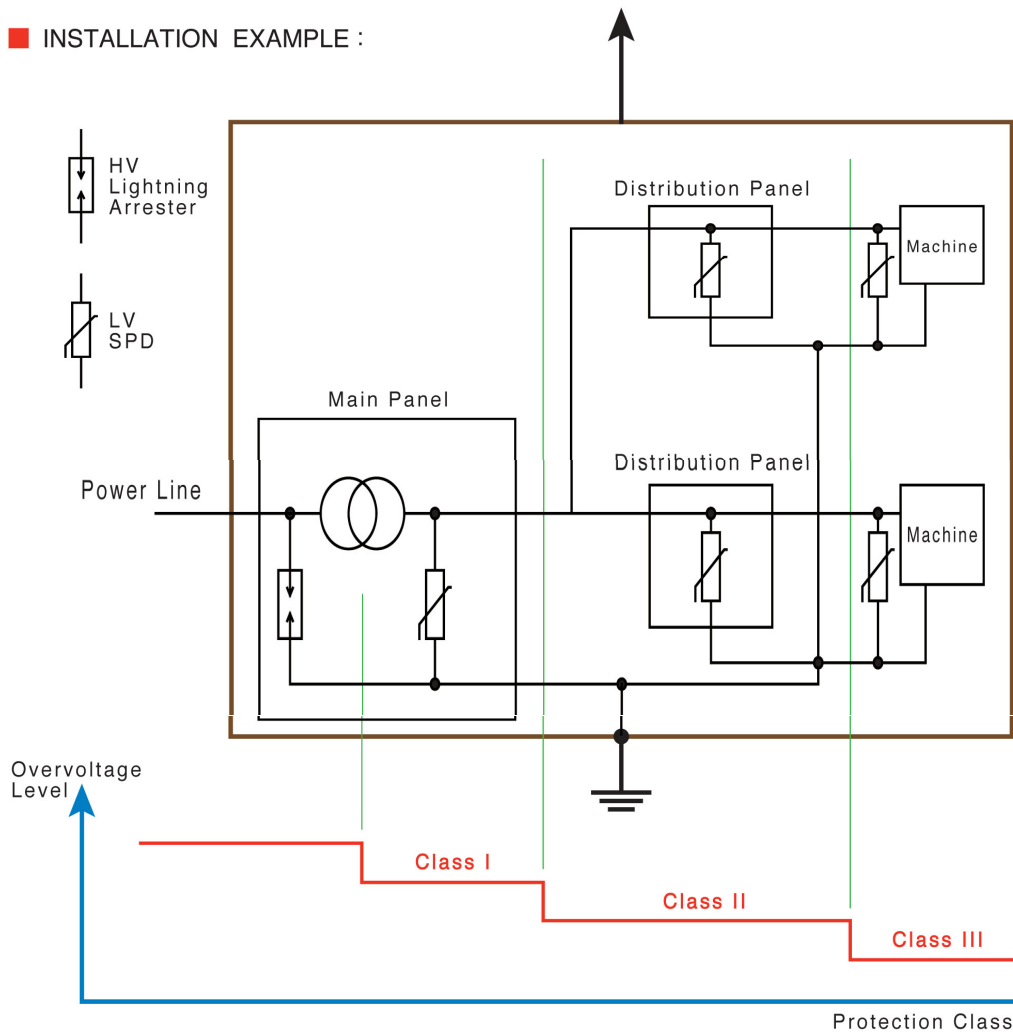
Also, surge can be induced by impulse current generated from internal supplying system and the ON and OFF (start and stop) of the power equipments such as arc furnace, motor, electrical and mechanical switching, capacitive and inductive load...etc. These surge currents would destroy any precise electronic device, cause error message or failure of power equipments, shorten their life expectancy and eventually break down the entire power plant. This is why Surge Protection Device is developed.

The induced surge currents are diverted to the earth before they can reach the equipments connected to the downstream power network while the overvoltages are kept to a harmless level and the equipments are kept running safely and normally.

These Surge Protection Devices are recommended for protecting any equipment connected to main power supplies. The selection of the product type is done by taking into account the exposition degree to lightning of the area, installation in isolated or metropolitan area, cost, sensitivity level of the equipment, the neutral earthing system and the installation method.



■ INSTALLATION EXAMPLE :



Keyword:1P, 2P, 3P, 4P, (+NPE), Similer OBO, I_{max}: 100kA, IEC6164-1

SUP1-D、C、B Surge protective device

Application

SUP1(D, C, B) 5 series surge protection device (in short: SPD, alias: surge suppressor, surge arrester) is suitable for TN-S, TN-C-S, TT, IT etc. power supply system of AC 50/60Hz, <380V, installed on the joint of LPZ1 or LPZ2 and LPZ3, it's designed according to IEC61643-1, GB18802.1, it adopts 35mm standard rail, there is a failure release mounted on the module of surge protection device. When the SPD fails in breakdown for over-heat and over-current, the failure release will help electric equipments separate from the power supply system and give the indication signal, green means normal, red means abnormal, it also could be replaced for the module when has operating voltage.



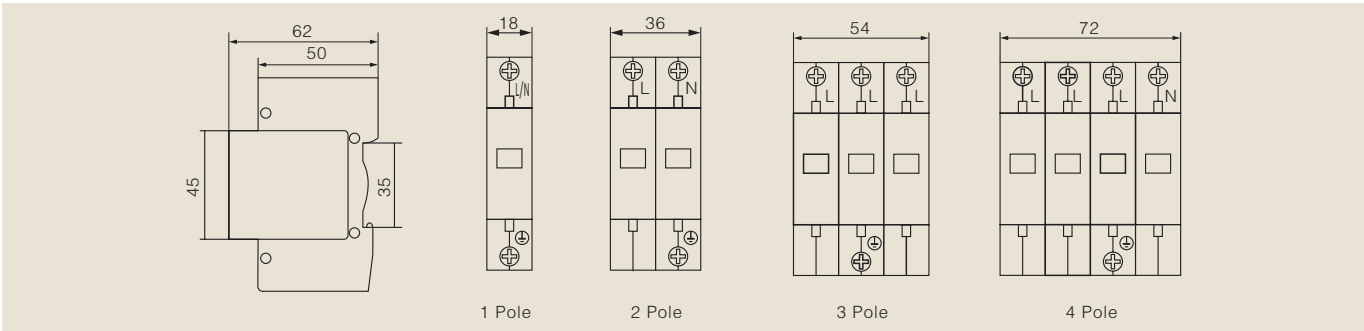
Product features

- Could be replaced for the module not need power off.;
- Maximum current of endure the lightning stroke 40kA (8/20 μs).
- Time of response <25ns.;
- The color of visible window shows operating status, green means normal, red means abnormal.

Specifications

Technical Parameters	SUP1 D.C.B					
Protection Level B,C,D Grade	D.C.B					
Rated Operating Voltage Un(V~)	380V /220V					
Maximum Continuous Operating Voltage Uc(V~)	275V	320V	385V	385V	385V	420V
Voltage Protection Level Up(V~)kV	≤ 1.0	≤ 1.2	≤ 1.8	≤ 2.0	≤ 2.2	≤ 2.8
Nominal Discharge Current In(8/20s)kA	5	10	20	30	40	60
Maximum Discharge Current I _{max} (8/20s)kA	10	20	40	60	80	100
Response Time (ns)	<25					
Test Standard	IEC61643.1,GB18802.1					
Operating Environment (centigrade)	-40℃ ~ +85℃					
Max Connection Line	35mm ² hard wire/ 35mm ² strand wire copper line					
Recommended Connection Line	16mm ² hard wire/ 25mm ² strand wire copper line					
Installation	Standard Rail 35mm					
Material of Outer Covering	Burning-proof Nylon					

Dimensions



Keyword: with Fuse, I_{max}: 120kA, 1P, 2P, 3P, 3P+NPE, 4P, Similar DEHN guard

SUP2 Surge protective device

Application

SUP2 series surge protective device (hereinafter called SPD) is suitably used in the TT、TN-S、TN-C、IT、TN-C-S and etc power supply system of AC 50/60Hz, rated voltage 380V and below, to protect from direct and indirect lightning impulse and other transient over voltage.SPD meets with GB18802.1/IEC61643-1 standard

Installation

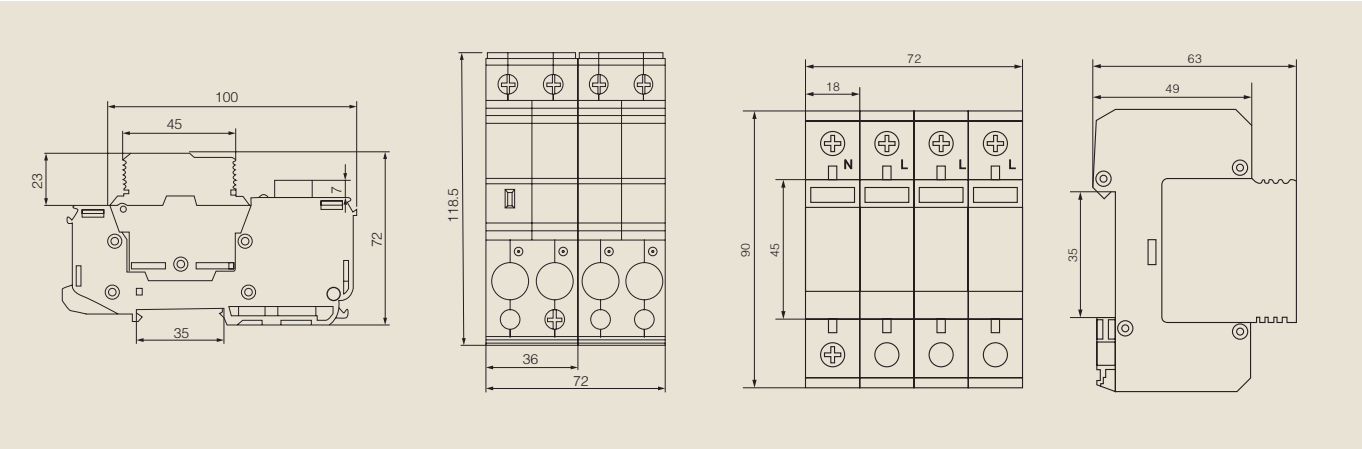
SUP2 is mounted between LPZ1 or LPZ2 zone and LPZ3 zone. The cross sectional area of multi-strand soft copper conductor to be connected: 2.5~ 35 mm². It is used in distribution boxes of living house, computer center, communication equipment, electronic equipment and control equipment or nearestsocket box.

NS6-40 is mounted between LPZ0B or LPZ1 zone and LPZ2 zone. The cross sectional area of multi-strand soft copper conductor to be connected: 2.5~ 35 mm².

Specifications

Type& Specs	SUP2-15		SUP2-40		SUP2-65		SUP2-80		SUP2-100		SUP2-120	
Max Continuous operating voltage U _c (VAC)	420	275	420	275	420	275	420	275	420	275	420	275
Protection voltage level U _P (kV) ≤	1.2	1.0	1.8	1.5	2.5	1.5	2.5	1.8	2.8	2.0	3.0	2.0
Max.discharging current (8/20 μ s) I _{max} kA	15		45		65		80		100		120	
Max.discharging current (8/20 μ s)I _{max} kA	5		15		30		40		50		60	
Response time (ns)	<25											
Invalidation indicating	Aging invalidation: white: Normal ; red: invalidated											
Protection degree	IP20											
Application	Protection for incoming line											
Remote signal function	Can be ordered											
Remarks	Other max continuous voltage (U _c) should be customized											

Dimensions



Keyword: I_{max}: 120kA, 1P, 2P, 3P, 4P. Arch design, Similar CITELE, Standard rail 35mm, Fiber glass reinforced plastic

SUP3 Surge protective device

Application

SUP3 series surge protective device (hereinafter called SPD) is suitably used in the IT, TT, TN-C, TN-S, TN-C-S and etc power supply system of AC 50/60Hz, rated voltage up to 380V, to protect from direct and indirect lightning impulse and other transient over voltage. As per the conditions of IEC61643-1:1998-02 standard, Class I surge protective device, it is category B surge protective device.



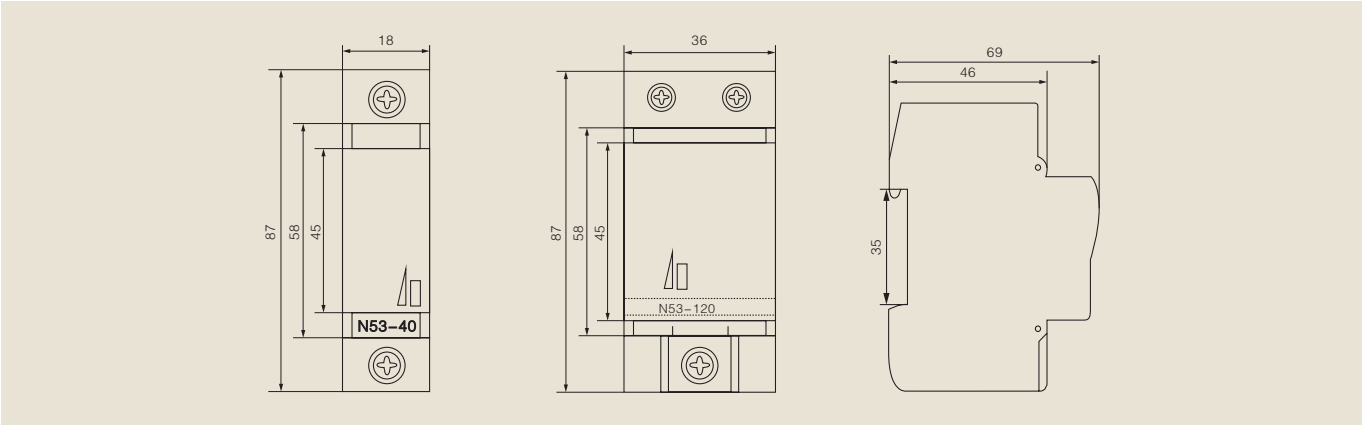
Operation Elements

- Single pole structure, single pole or three poles combined SPD available.
- SPD has built-in disconnecter, when SPD is invalid due to overheating or breakdown, the disconnecter can automatically separate SPD from the network, meanwhile send an indication signal.
- The visible window show white color in normal service, if to be separated from network, it will show red color. It can adopt Kelvin wiring mode.
- Large current carrying capacity, fast response time, low residual voltage.

Specifications

Type& Specs	SUP3-15		SUP3-40		SUP3-60		SUP3-80		SUP3-100		SUP3-120	
Max Continuous operating voltage Uc(VAC)	420	275	420	275	420	275	420	275	420	275	420	275
Protection voltage level UP (kV) ≤	1.0	1.0	1.8	1.5	2.5	1.5	2.5	1.8	2.8	2.0	3.0	2.0
Max.discharging current (8/20 μ s) Imax kA	15		45		60		80		100		120	
Nominal discharging current (8/20 μ s) In kA	5		15		30		40		50		60	
Response time (ns)	<25											
Invalidation indicating	Aging invalidation: white: Normal ; red: invalidated											
Protection degree	IP20											
Application	Protection for incoming line											

Dimensions



Keyword: 1P, 2P, 3P, 4P, (+NPE), Similer Schneider, Imax: 80A

SUP4 Surge protective device

Application

SUP4 series Switch type high-energy surge protective.Apply for power supply system below 380VAC.

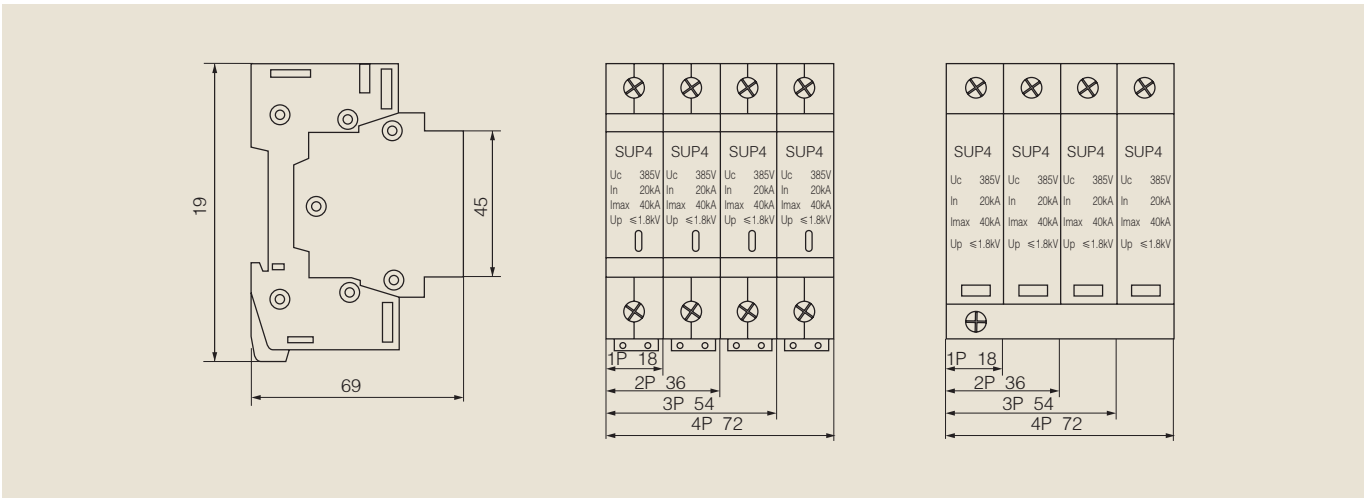
- Could be replaced for the module not need row cut.
- Maximum current of endure the lightning stroke 65kA(8/20 μ s).
- Time of response<25ns.
- The color of visible window shows operating status,green means normal,red means abnormal.



Specifications

Rate Operating Voltage Uc(V~)	220V/380V					
Maximum Continuous Operating Voltage Uc(V~)	275V	440V	275/320/385V	440V	375/385V	440V
Voltage Protection Level Up(V~)kA	≤ 0.8	≤ 1.0	≤ 1.0 ≤ 1.4 ≤ 1.6	≤ 1.8	≤ 1.8 ≤ 2.2	2.4
Nominal Discharge Current In(8/ μ 20 μ s)kA	5	10	15	20	30	40
Maximum Discharge Current Imax(8/ μ 20 μ s)kA	10	20	30	40	60	80
Response Time (ns)	<25					
Test Standard	GB18802、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)	10		16 、 32		40	
Operating Environment℃	-40℃ ~ +85℃					
Relative Humidity(25℃)	≤ 95%					
Installation	Standard Rail 35mm					
Material Of Outer Covering	Fiber glass reinforced plastic					

Dimensions



Keyword: Max current: 63A, Standard rail 35mm, Household AC Contactor
HC1 series Modular Contactor

Application

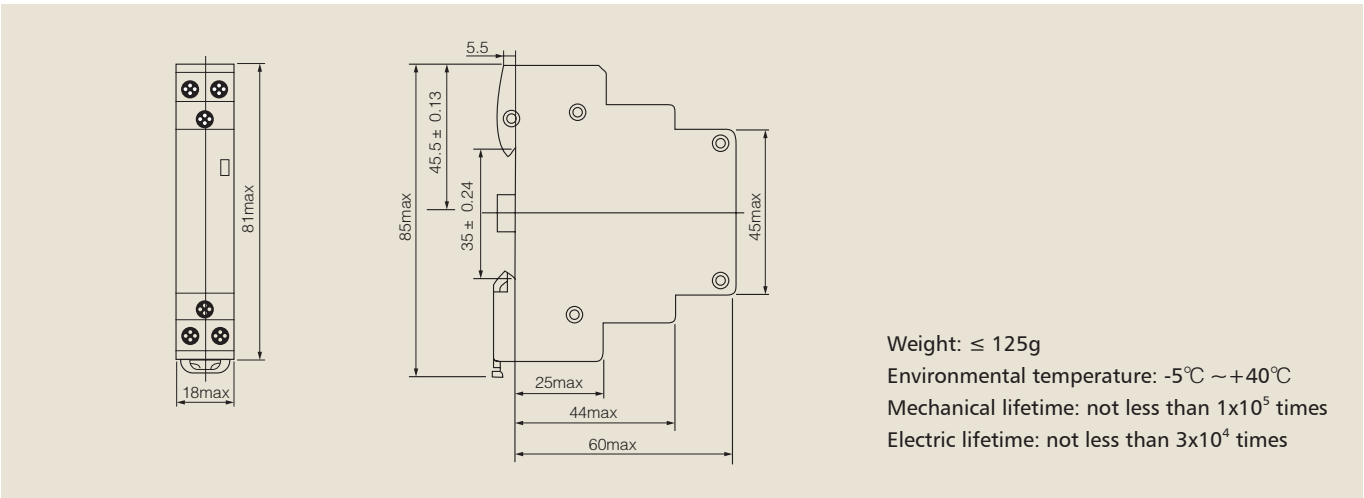
HC1 series modular contactor is mainly sed for the electric power system with AC 50Hz (or 60Hz) and rated working voltage up to 400V. Under the using category of AC-7a, the product can serve for remote switch and master circuit control in the circuit with rated working voltage up to V and rated working current up to 63A. This product can be used for loading control of household electrical appliance and low induction loading and household motor with similar usages.



Specifications

AC-1/AC-7A swithing of heaters	HC120	HC125	HC140	HC163
Rated operation current Ie(NO)	20A	25A	40A	63A
Rated operation current Ie(NC)	20A	25A	30A	30A
Rated operation power(NO)				
230V Single-phase	4.0kW	5.3kW	8.8kW	13.8kW
230V Three-phase	-	9kW	15.2kW	24kW
400V Three-phase	-	16kW	26kW	41kW
AC-3/AC-7B switching motors				
Rated operation current Ie(NO)	9A	9A	22A	30A
Rated operation current Ie(NC) Rated operation power(NO)	9A	6A	-	-
230V Single-phase	1.3kW	1.3kW	3.7kW	5kW
230V Two-phase	-	2.2kW	5.5kW	8kW
400V Four-phase	-	4kW	11kW	15kW

Dimensions



Other product for MCB

Hager Series



Hager Series



TSM Series



