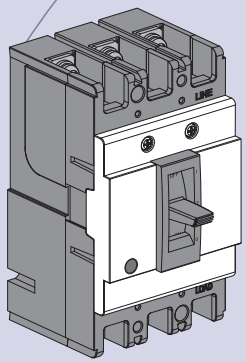
soflight

Statement

Failure to follow these installations can result in dangerous.
Product pictures are for reference only.

SL-CP06 Series

MCCB
ISOLATOR

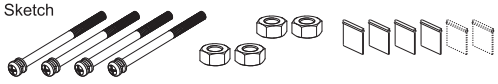


Standard accessories & necessary tools

Standard accessories

Model	Poles	Bolt		Nut		Insulation barrier
		Type	QTY	Type	QTY	QTY
SL-CP06-125	3P	M4 × 55	2			4
	4P	M4 × 55	4			6
SL-CP06-160	3P	M4 × 40	2			4
	4P	M4 × 40	4			6
SL-CP06-300	3P	M4 × 60	2			4
	4P	M4 × 60	4			6
SL-CP06-630	3P	M6 × 60	4	M6	4	4
	4P	M6 × 60	4	M6	4	6
SL-CP06-800	3P	M6 × 40	4	M6	4	4
	4P	M6 × 40	4	M6	4	6

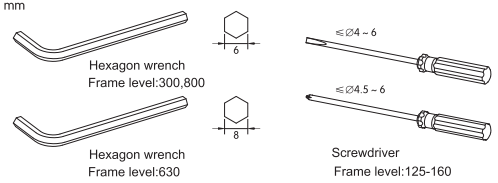
Sketch



Bolt Nut Insulation barrier

Necessary tools

mm



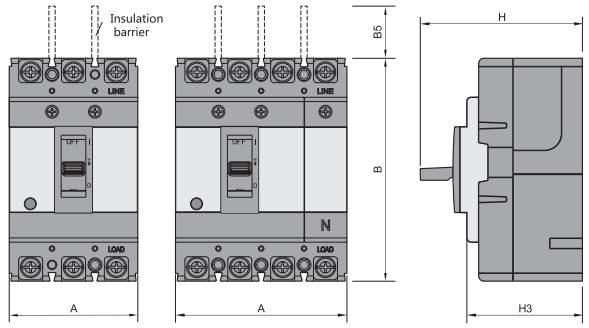
Hexagon wrench
Frame level:300,800

Hexagon wrench
Frame level:630

Screwdriver
Frame level:125-160

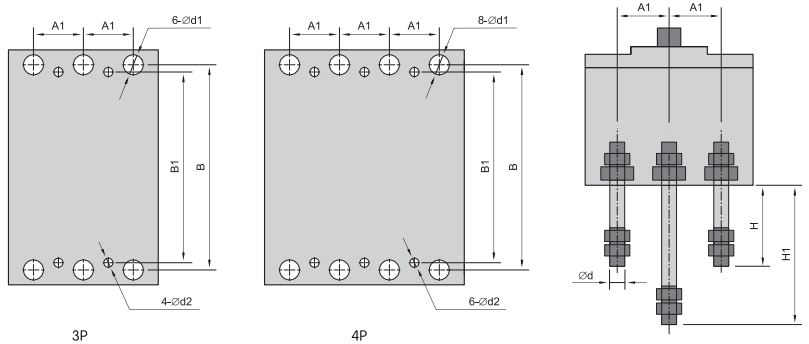
Outline and dimension (mm)

A Outline



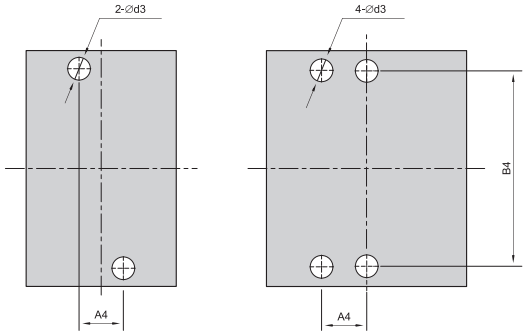
3P 4P

B Rear panel wiring dimension



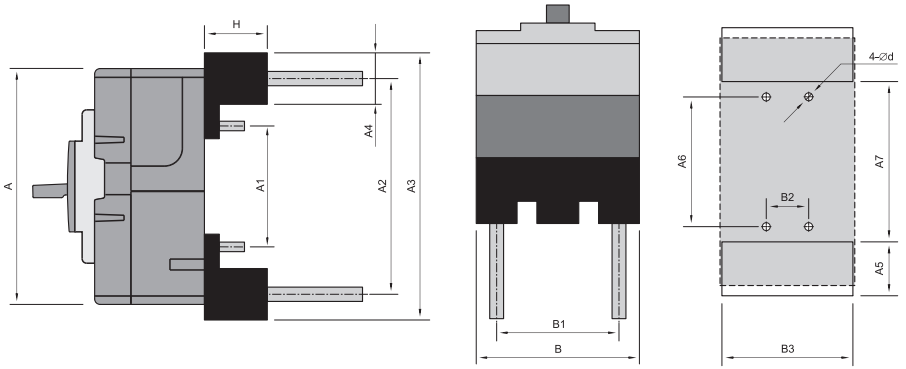
3P 4P

C Front panel wiring dimension



3P 4P

D Plug-in wiring dimension

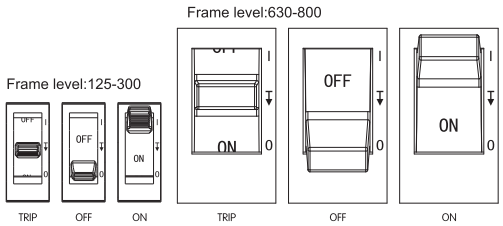


Model

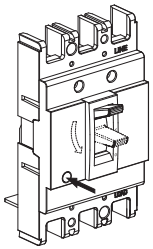
MCCB Isolator	A Outline						B Rear panel wiring dimension								C Front panel wiring dimension			D Plug-in wiring dimension														
	A		B	B5	H	H3	A1	B	B1	H	H1	Φd	Φd1	Φd2	Φd3	A4	B4	A	A1	A2	A3	A4	A5	A6	A7	H	B	B1	B2	B3	Φd
	3P	4P																													
SL-CP06-125	75	100	130	50	94	68	25	114	111	62	87	6	14	5	5	25	111	130	54	114	140	29	31	54	80	48	75	50	25	78	5.2
	75	100	130	50	94	68	25	114	111	62	87	6	14	5	5	25	111	130	54	114	140	29	31	54	80	48	75	50	25	78	5.2
SL-CP06-160	90	120	155	50	94	68	30	134	132	72	112	8	18	5	5	30	132	155	54	134	168	38	40	54	92	52	90	60	30	93	6.5
	90	120	155	50	94	68	30	134	132	72	112	8	18	5	5	30	132	155	54	134	168	38	40	54	92	52	90	60	30	93	6.5
	90	120	155	50	109	83	30	134	132	72	112	8	18	5	5	30	132	155	54	134	168	38	40	54	92	52	90	60	30	93	6.5
SL-CP06-300	105	140	165	100	96	68	35	144	126	87	126	12	24	5	5	35	126	165	54	144	182	45	47	54	90	50	105	70	70	108	6.5
	105	140	165	100	96	68	35	144	126	87	126	12	24	5	5	35	126	165	54	144	182	45	47	54	90	50	105	70	70	108	6.5
	105	140	165	100	119	91	35	144	126	87	126	12	24	5	5	35	126	165	54	144	182	45	47	54	90	50	105	70	70	108	6.5
SL-CP06-630	140	185	257	110	159	105	44	230	194	83	136	18	35	7	7	44	194	257	140	230	282	55	55	140	171	60	134	87	44	136	8.2
	140	185	257	110	159	105	44	230	194	83	136	18	35	7	7	44	194	257	140	230	282	55	55	140	171	60	134	87	44	136	8.2
	140	185	257	110	159	105	44	230	194	83	136	18	35	7	7	44	194	257	140	230	282	55	55	140	171	60	134	87	44	136	8.2
SL-CP06-800	210	280	275	110	159	104	70	243	243	174	243	26	48	7	7	70	243	275	155	243	298	55	56	155	187	60	206	140	70	208	8.2
	210	280	275	110	159	104	70	243	243	174	243	26	48	7	7	70	243	275	155	243	298	55	56	155	187	60	206	140	70	208	8.2

A Operational testing

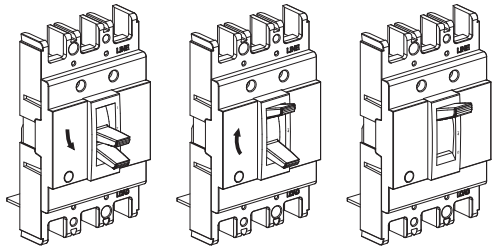
Test preparation



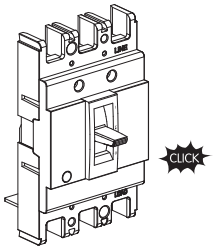
TESTING



❹ TESTING

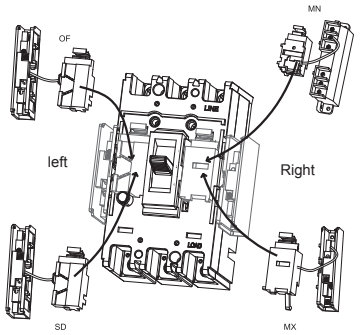


❶ TRIP → OFF ❷ OFF → ON ❸ ON



❺ TRIPPED

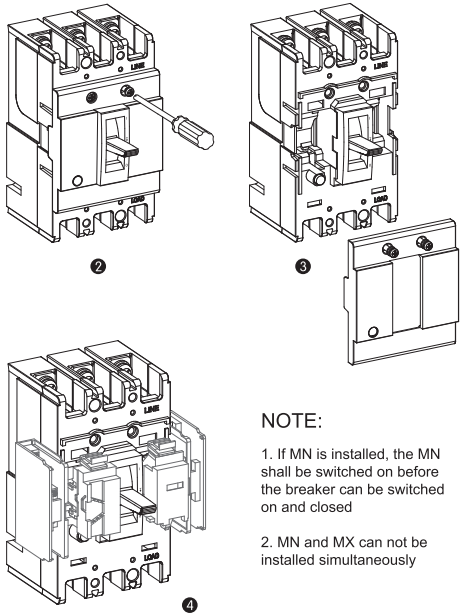
B Internal accessories & mounting



OF	Auxiliary contact
AL	Alarm contact
MX	Shunt release
MN	Under-voltage release

Model	Pole	Rated current	OF		SD		MX		MN	
			Left	Right	Left	Right	Left	Right	Left	Right
SL-CP06-125	3P	125A	√		√			√		√
	4P	125A	√		√			√		√
SL-CP06-160	3P	160A	√		√			√		√
	4P	160A	√		√			√		√
SL-CP06-300	3P	200A 250A 300A	√		√			√		√
	4P	200A 250A 300A	√		√			√		√
SL-CP06-630	3P	630A	√		√		√		√	
	4P	630A	√	√	√	√	√		√	
SL-CP06-800	3P	800A	√		√		√		√	
	4P	800A	√	√	√	√	√		√	

❶



❷ ❸ ❹

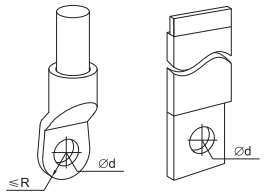
NOTE:

1. If MN is installed, the MN shall be switched on before the breaker can be switched on and closed

2. MN and MX can not be installed simultaneously

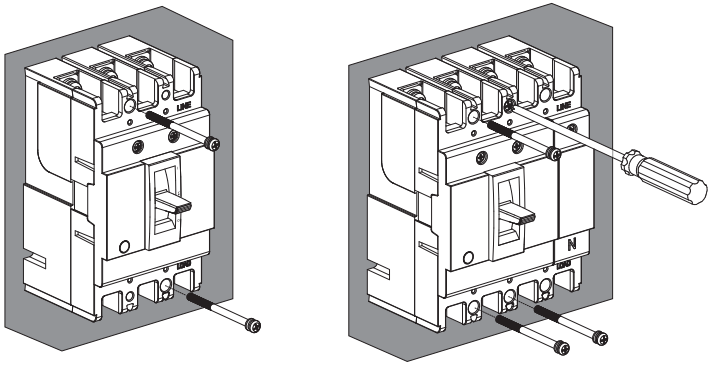
C Wire

mm

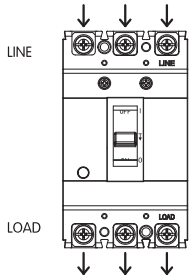


Model		size of wire	
		Φd	R
SL-CP06-125		8.5	8
SL-CP06-160		8.5	8.5
SL-CP06-300		10.2	10.5
SL-CP06-630		14.2	13
SL-CP06-800	630A	16.2	16
	800A	18.2	17.5

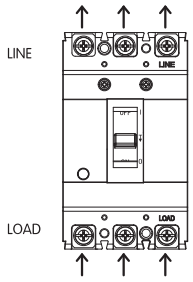
D Mounting of circuit breaker



E Wiring

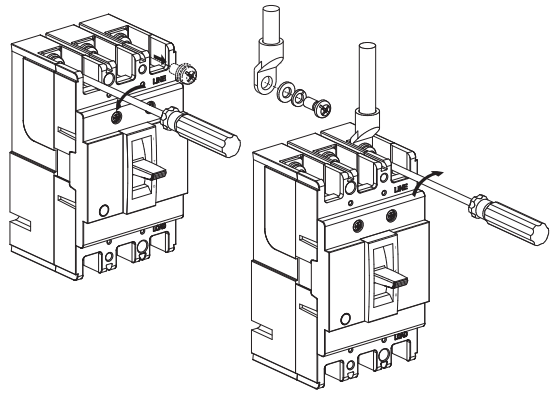


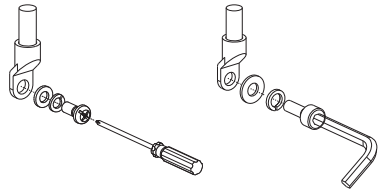
normal



reverse

F Wire connection

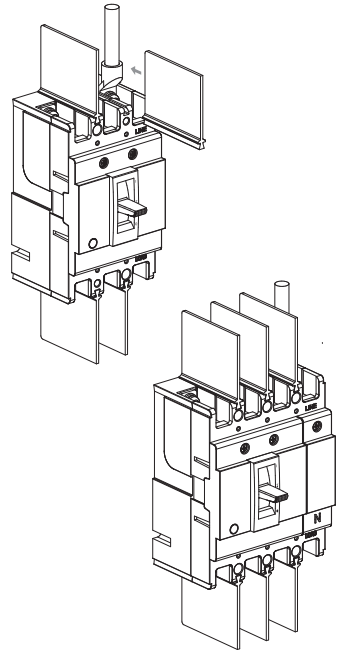




Sceewdriver
Frame level:125-160

Hexagon wrench
Frame level:300,630,800

G Mounting insulation barrier



H Operation Characteristic

1.Ambient air temperature is +40℃ for power distribution, no temperature compensatory inverse time limit action characteristic of energized each pole meanwhile (refer to following sheet):

Testing current type	Setting multiple current	Action time		Initial state
		In≤63	In＞63	
Appointed non tripping current	1.05	≥1h	≥2h	Cold state
Appointed tripping current	1.30	＜1h	＜2h	Thermal state

2.Ambient air temperature is +40℃ for motor protection, no temperature compensatory inverse time limit action characteristic of energized each pole meanwhile (refer to following sheet):

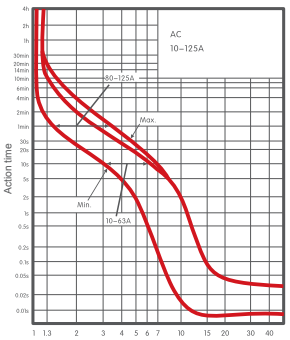
Testing current type	Setting multiple current	Action time In≤800	Initial state
Appointed non tripping current	1.0	≥2h	Cold state
Appointed tripping current	1.2	＜2h	Thermal state

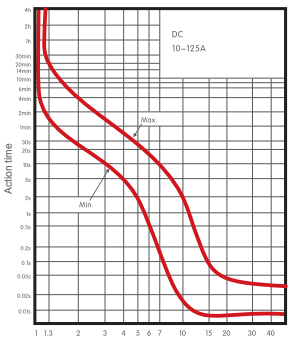
3.Operation characteristic of short-circuit state:

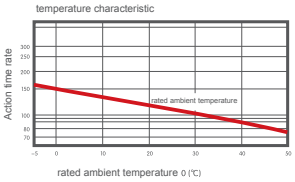
> Instantaneous tripping short circuit in power distribution is 10In
> Instantaneous tripping short circuit in protecting motor is 12In
> Instantaneous tripping short circuit setting current accuracy is ±20%

I Tripping Characteristic

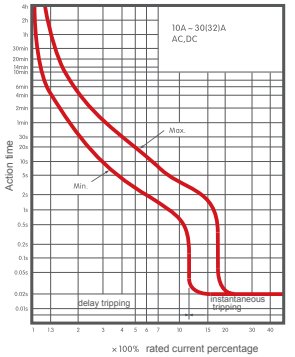
SL-CP06-125

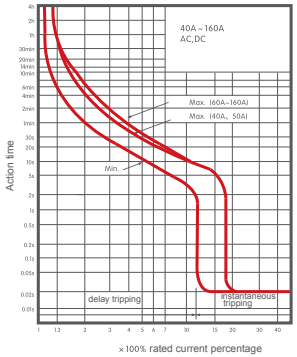


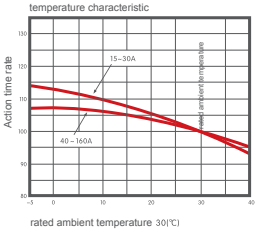




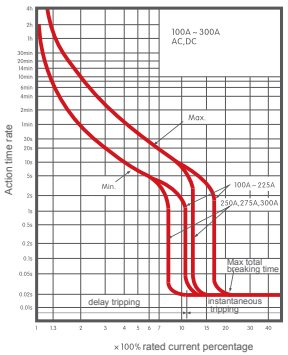
SL-CP06-160

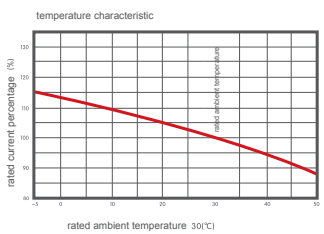




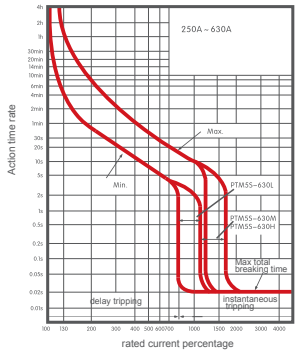


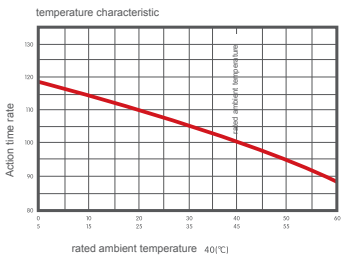
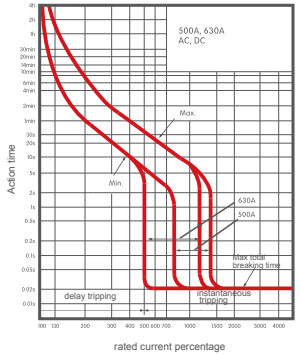
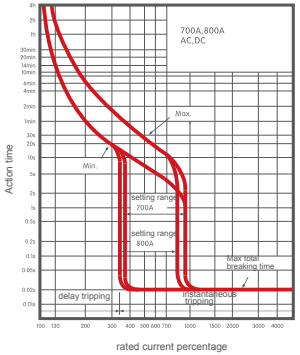
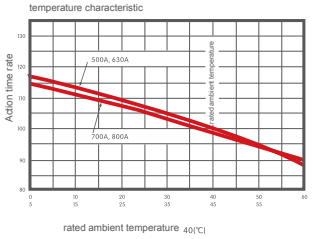
SL-CP06-300





SL-CP06-630





SL-CP06-800