

SL-CP70

Isolator switch



Production description

- SL-CP70 series load- isolation switch is applied in the circuit of AC 50Hz ,rated voltage 400V or below, and rated current to Max 16A~3150A. It is us ed to connect and break circuit by not- frequent manual operation. In addition, product with 690V is only used to electrical isolation.
- Standard: GB14048.3 and IEC60947-3



Features

- The switch adopts the acceleration closing mechanism in which the spring energy storage is in place and the quick instantaneous release, and the contact structure of the parallel double- break point at the same time, which greatly improves the electrical performance and mechanical performance of the switch.
- The switch conductive parts are installed in an insulating base made of glass fiber reinforced unsaturated polyester molding compound: the operation mode is : manual operation handle operation, high dielectric property, protection ability and reliable operation safety.
- The switch has 3poles , 4poles (3poles +adjustable neutral pole).

Normal Working Environment and Installation Conditions

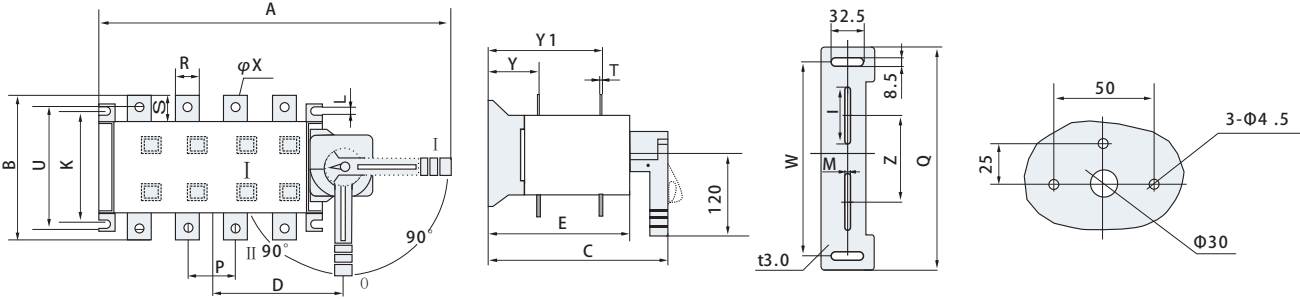
- Operating conditions
- Altitude not more than 2000m
- The range of ambient temperature is from 5℃ to 40℃
- Relative humidity not more than 95%
- The environment without any explosive medium
- The environment without any rain or snow attacking

Main Technical Parameters

Conventional Heating current Ith(A)		63	100	125	160	200	225	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
Rated insulation voltage Ui		690V				800V							1000V						
Rated impaction with stand voltage Uimp		8kV											10kV						
Rated working voltage Ue		AC400V																	
Rated frequency		50Hz																	
Usage category		AC-22B											AC-21B						
Rated working current Ie(A)	AC400V	63	100	125	160	200	225	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
Rated short- circuit connecting capacity Icm(kA)		17							40				105						
Rated short- time withstand current Icw(kA)		10kA/1s							20kA/1s				35kA/1s						
Mechanical life(time)		1700		1400						800			500			300			
Electrical life(time)		300		200									100						
Operation moment(N.M)		/	/	6.5	6.5	10	15						27			60			

SL-CP70-125~630A Series outline and installation dimension(Double conversion)

□ Direct operation

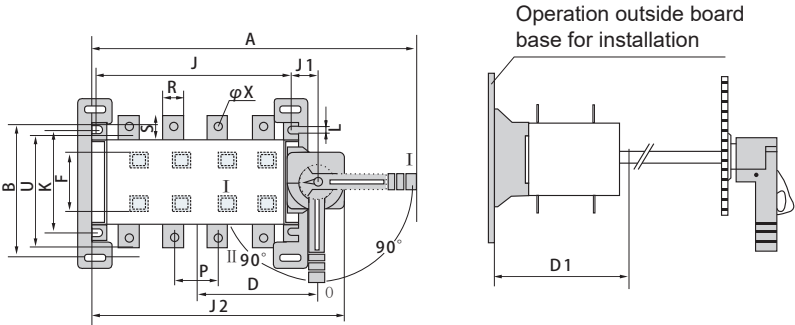


SL-CP70-125~630A Direct operation

Operation outside board base for installation (User Matching)

Installation size of handle seat outside board

□ Operation outside the cabinet

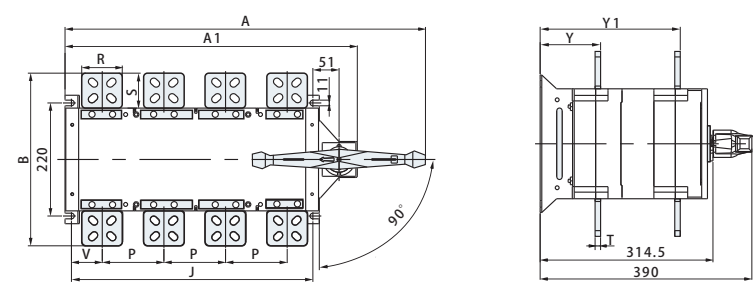


SL-CP70-125~630A Operation outside the cabinet

Specification	Base for installation dimension				
	I	M	Z	W	Q
SL-CP70-125A	55	5.5	85	190	218
SL-CP70-160A	55	5.5	85	190	218
SL-CP70-200A	55	5.5	85	190	218
SL-CP70-250A	55	5.5	85	190	218
SL-CP70-315A	60	6.5	130	240	270
SL-CP70-400A	60	6.5	130	240	270
SL-CP70-500A	60	6.5	130	240	270
SL-CP70-630A	60	6.5	130	240	270

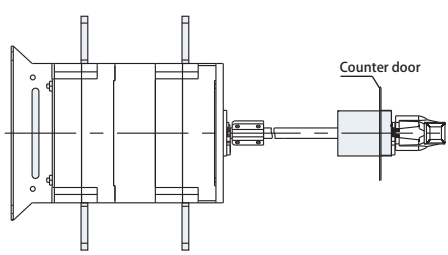
SL-CP70-800~3150A Series outline and installation dimension(Double conversion)

□ Direct operation



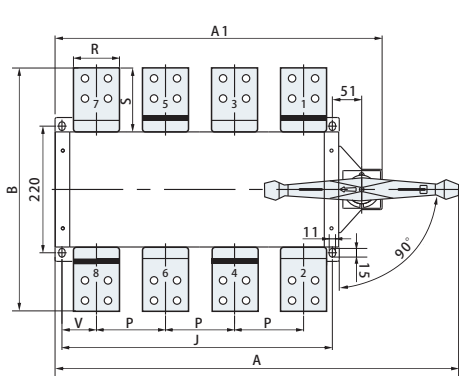
SL-CP70-800~1600A Direct operation

□ Operation outside the cabinet

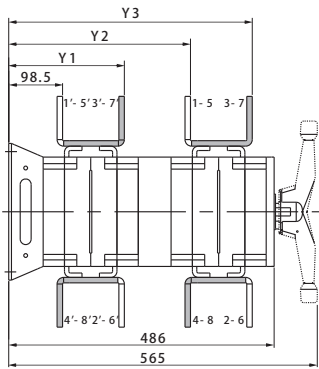


SL-CP70-800~1600A Operation outside the cabinet

□ Direct operation



SL-CP70-2000~3150A Direct operation

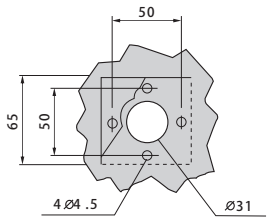


SL-CP70-2000~3150A Operation outside the cabinet

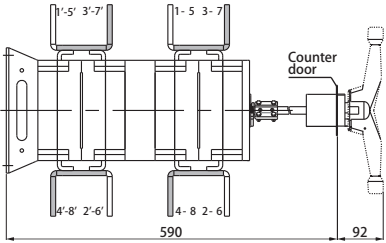
□ SL-CP70-125~630A Series outline and installation dimension(Double conversion)

Specification	External dimension and installation dimension																			
	A	B	C	D	D1	E	J	J1	J2	K	L	P	R	S	T	U	ΦX	Y	Y1	F
SL-CP70-125A~160A/3	302	135	228	89	190	160	120	37	195	95	7	36	20	25	3.5	115	9	55.5	126.5	49
SL-CP70-125A~160A/4	332	135	228	105	190	160	150	37	225	95	7	36	20	25	3.5	115	9	55.5	127.5	49
SL-CP70-200A~250A/3	342	165	250	112	215	180	160	37	235	116	9	50	25	28	3.5	140	10.5	63	145	76
SL-CP70-200A~250A/4	392	165	250	137	218	180	210	37	285	116	9	50	25	28	3.5	140	10.5	63	147	76
SL-CP70-315A~400A/3	410	234	307	150	278	251	206	46.5	298	176	10	65	32	37	5	205	10.5	83	193	94
SL-CP70-315A~400A/4	460	234	307	180	278	251	267	46.5	358	176	10	65	32	37	5	205	10.5	83	193	94
SL-CP70-500A~630A/3	410	250	307	150	278	251	206	46.5	298	176	10	65	40	45	6	215	12.5	83.5	193.5	94
SL-CP70-500A~630A/3	460	250	307	180	278	251	267	46.5	358	176	10	65	40	45	6	215	12.5	83.5	193.5	94

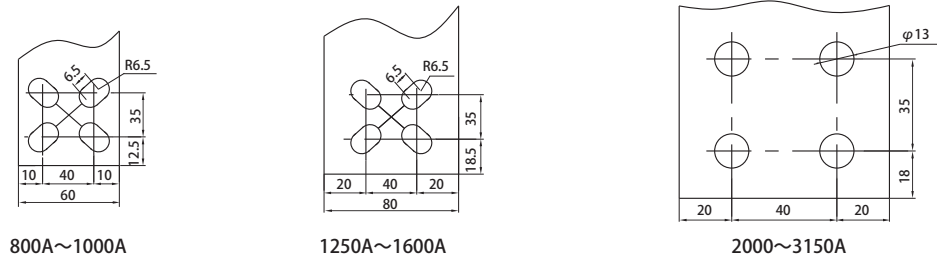
□ Operation outside the cabinet



Installation size of handle seat outside board



□ Connection terminal



□ SL-CP70-1000~3150A Series outline and installation dimension

Specification	External dimension and installation dimension												
	A	A1	B	J	P	R	S	T	V	E	E1	E2	E3
SL-CP70-1000A/3	588	455	328	356	120	60	64	8	56.5	109	254	/	/
SL-CP70-1000A/4	702	569	328	470	120	60	64	8	60	109	254	/	/
SL-CP70-1250A/3	588	455	336	356	120	80	68	8	56.5	109	254	/	/
SL-CP70-1250A/4	702	569	336	470	120	80	68	8	60	109	254	/	/
SL-CP70-1600A/3	588	455	336	356	120	80	68	10	56.5	110	255	/	/
SL-CP70-1600A/4	702	569	336	470	120	80	68	10	60	110	255	/	/
SL-CP70-2000A/3	588	455	422	356	120	80	111	10	56.5	/	211.5	332.5	445.5
SL-CP70-2000A/4	702	569	422	470	120	80	111	10	60	/	211.5	332.5	445.5
SL-CP70-2500A/3	588	455	432	356	120	80	116	15	56.5	/	216.5	332.5	450.5
SL-CP70-2500A/4	702	569	432	470	120	80	116	15	60	/	216.5	332.5	450.5
SL-CP70-3150A/3	588	455	442	356	120	80	121	20	56.5	/	221.5	332.5	455.5
SL-CP70-3150A/4	702	569	442	470	120	80	121	20	60	/	221.5	332.5	455.5