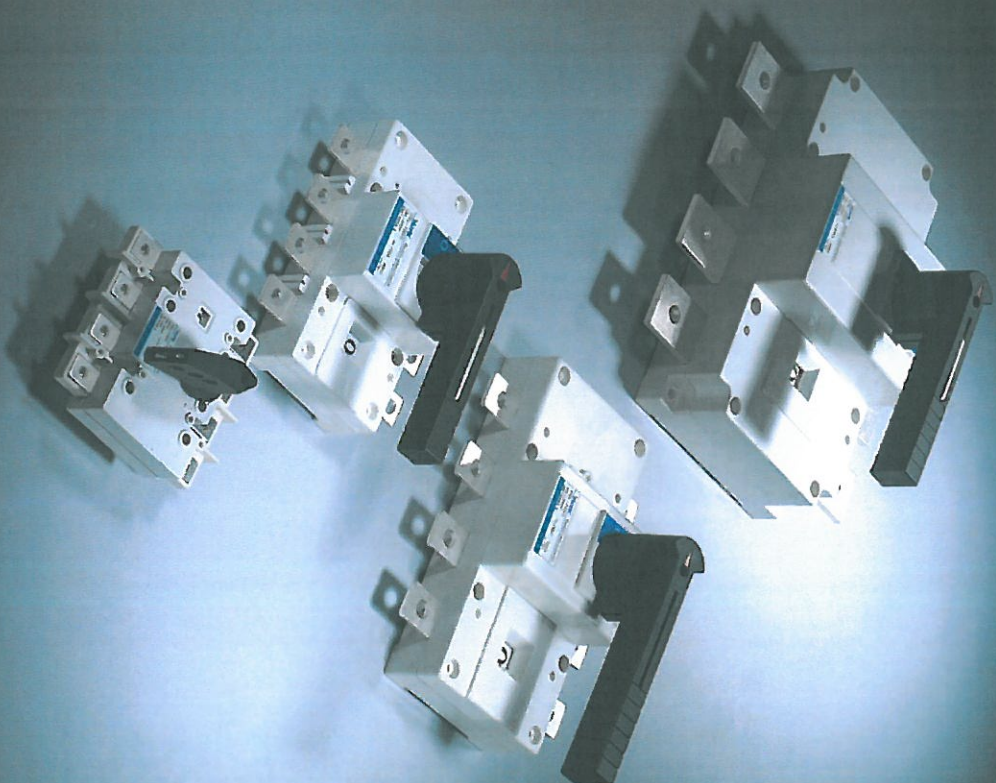


YGL

Series Load-isolation switch



YGL-63~3150A Series Load-isolation Switch

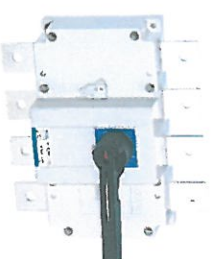
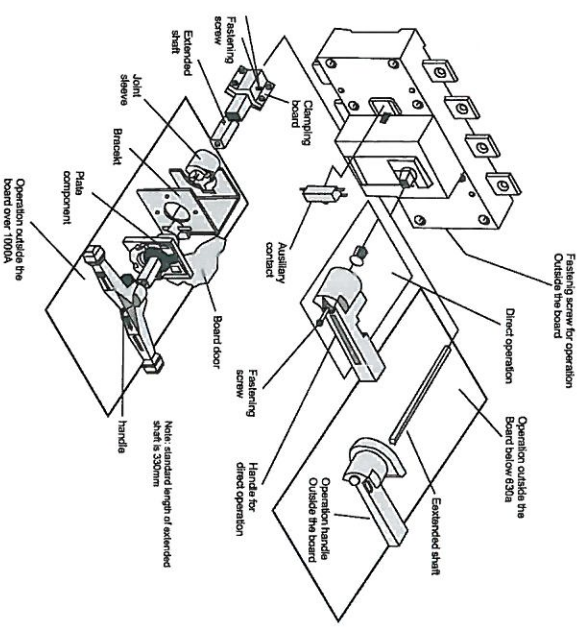
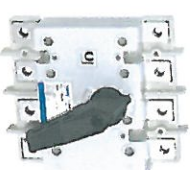


General

YGL series Load isolation switch can be divided into 18 specs from 125A to 4000A. It is the basic type of modular design. It has three poles and four poles (three poles + switch neutral pole), applied to make and break circuit or electric isolate, over 1000A is only for electric isolation.
Symbol window on front face indicates the contact on-off state.

Operation mode

- Direct operation: The handle is installed in the middle of switch directly.
- Operate outside of cabinet: The handle is installed outside of distribution cabinet.
- It can be assembled two groups auxiliary contacts.



YGL-63~3150A Series Load-Isolation Switch



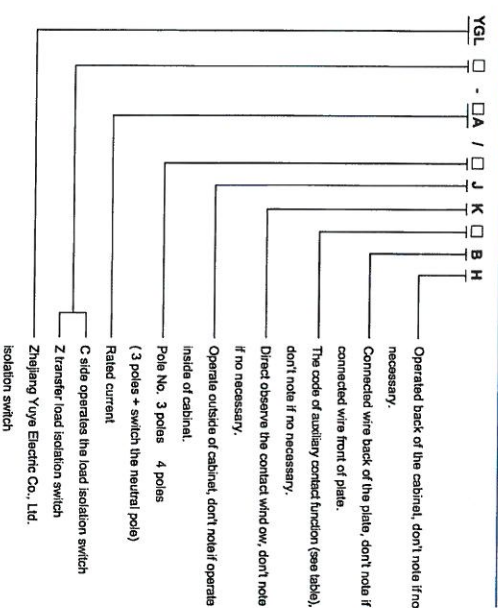
YGL-63~3150A Series Load-Isolation Switch



Application

AC 50Hz, rated voltage 660V, DC rated voltage 440V, rated current 1600A. It is used for making and breaking circuit infrequently.

Model and meaning



One NO and one NC	11	NO+NC
Two NO and Two NC	22	2NO+2NC

Example for lezio type: Rated current 630A, include neutral pole transferring bad isolation switch, YGLZ-630A/4J for operating outside of cabinet

Service environment

- YGL load isolation switch can operate under the following 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.
- Note: If the product is expected to be used in the environment where temperature is over +40℃ or below -5℃~ -45℃, user's shall tell it to the manufacturer.

YGL-63~3150A Electrical Properties and Mechanical Properties

Conventional heating current (In A)		40A	63A	80A	100A	125A	160A	200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600A	2000A	2500A	3150A
Rated insulation voltage (U V)		40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
Dielectric strength (V)		5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
Rated impulse withstand voltage (Uimp kV) (insulation level V)		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
400V																				
AC21B		40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
AC22B		40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
750V																				
DC21		40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
DC22		40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
220V																				
DC23		20	20	20	40	50	80	80	100	125	125	125	125	125	125	125	125	125	125	125
AC21B		40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
AC22B		40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
440V																				
DC21		35	50	65	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500
DC22		35	50	65	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500
DC23		35	50	65	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500
Motor power P(kW)																				
400V		25	35	45	55	65	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600
750V		20	30	40	45	55	65	80	100	125	160	200	250	315	400	500	630	800	1000	1250
Overload capacity																				
Rated short time withstand current Icw(kA 1min) (1s) 10s		0.756	0.756	1.2	1.2	20/10	20/10	30/12	30/12	45/20	45/20	50/25	50/25	60/30	60/30	90/50	90/50	90/50	90/50	90/50
Making and breaking capacity																				
Rated making capacity Iem(A 75ms) AC22B 400V		400	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500
Rated breaking capacity Icn(A 75ms) AC22B 400V		320	504	640	800	1000	1000	1600	1600	2500	3200	4000	5000	6300	8000	10000	12500	16000	20000	25000
Rated short-circuit making capacity Icm(A 100ms) AC22B 400V		1066	1066	1.7	1.7	12	12	17	17	30	30	40	40	70	70	70	70	70	70	70
Mechanical life (rotation operation time)		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
Electrical life (rotation operation time)																				
Rated voltage Ue=750V																				
CCS <=0.65 AC21B		3000	3000	3000	3000	1500	1500	1500	1500	750	750	750	750	600	600	450	450	400	400	350
CCS <=0.65 AC22B		2000	2000	2000	2000	1000	1000	1000	1000	500	500	500	500	400	400	300	300	200	200	200
Rated current Ie																				
CCS <=0.35 AC22B		1000	1000	1000	1000	500	500	500	500	250	250	250	250	200	200	150	150	100	100	100
Operation moment (Nm)		2.5	2.5	4	6.5	4	6.5	10	10	14.5	14.5	14.5	14.5	27	27	27	27	60	60	60
3 poles		0.37	0.37	0.37	1	1	2	2	2	3.5	3.5	4	4	10.5	10.5	16	16	31	31	42
Weight (kg)		0.41	0.41	0.41	1.5	1.5	2.5	2.5	4	4	4.5	4.5	13	13	13	20	40	40	40	49
4 poles		0.41	0.41	0.41	1.5	1.5	2.5	2.5	4	4	4.5	4.5	13	13	13	20	40	40	40	49

YGL-63~3150A

Series Load-Isolation Switch



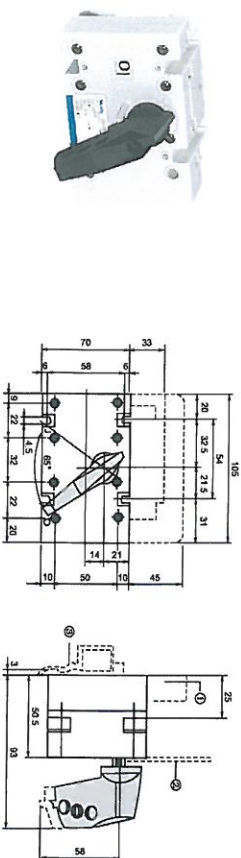
YGL-63~3150A

Series Load-Isolation Switch

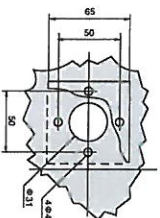


YGL-63~100A Outline and Installation dimensions

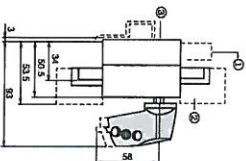
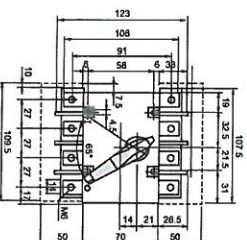
- YGL-63~100A
- Front direct operation



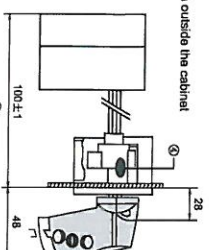
Front operation outside the cabinet



- YGL-63~100A
- Front direct operation

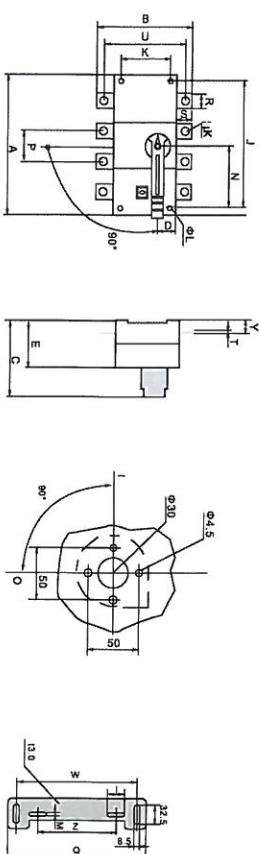


Front operation outside the cabinet



1. Pre-breaking auxiliary contact
2. Terminal barrier
3. Clamp for fixing DIN rail
4. The width of sliding deadbolt of handle lock is 30mm.
5. The min length of extension shaft is 125±1

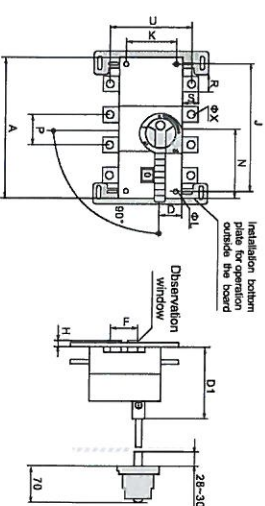
YGL-125~630A Outline and Installation dimensions



Direct operation of YGL-125~630A

Installation size of handle seat outside board

Installation bottom plate for operation outside the board



Operation outside YGL-125~630A/LK board

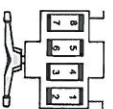
Specification	I	M	Z	W	Q
YGL-125A	55	5.5	85	190	218
YGL-160A	55	5.5	85	190	218
YGL-200A	55	5.5	85	190	218
YGL-250A	55	5.5	85	190	218
YGL-315A	60	6.5	130	240	270
YGL-400A	60	6.5	130	240	270
YGL-500A	60	6.5	130	240	270
YGL-630A	60	6.5	130	240	270

Specification	A	B	C	D	D1	E	ΦL	J	K	N	P	R	S	T	U	ΦX	Y	F	H
YGL-125A/3	140	135	120	27	93	73	5.5	120	65	85	36	20	25	3	114	10	24	49	10
YGL-125A/4	170	135	120	27	93	73	5.5	120	65	85	36	20	25	3	114	10	24	49	10
YGL-160A/3	140	135	120	27	93	73	5.5	120	65	85	36	20	25	3	114	10	24	49	10
YGL-160A/4	170	135	120	27	93	73	5.5	120	65	85	36	20	25	3	114	10	24	49	10
YGL-200A/3	180	165	140	35	103	86	7	160	90	115	50	25	30	3.5	134	11	27	79	15
YGL-200A/4	230	165	140	35	103	86	7	210	90	115	50	25	30	3.5	134	11	27	79	15
YGL-250A/3	180	165	140	35	103	86	7	160	90	115	50	25	30	3.5	134	11	27	79	15
YGL-250A/4	230	165	140	35	103	86	7	210	90	115	50	25	30	3.5	134	11	27	79	15
YGL-315A/3	230	234	140	50	138	116	7	210	140	145	65	32	38	5	205	11	37	94	20
YGL-315A/4	290	234	140	50	138	116	7	270	140	145	65	32	38	5	205	11	37	94	20
YGL-400A/3	230	234	185	50	138	116	7	210	140	145	65	32	38	5	205	11	37	94	20
YGL-400A/4	290	234	185	50	138	116	7	270	140	145	65	32	38	5	205	11	37	94	20
YGL-500A/3	280	250	185	50	138	116	7	270	140	145	65	40	45	6	215	12.5	38	94	20
YGL-500A/4	290	250	185	50	138	116	7	270	140	145	65	40	45	6	215	12.5	38	94	20
YGL-630A/3	230	250	185	50	138	116	7	210	140	145	65	40	45	6	215	12.5	38	94	20
YGL-630A/4	290	250	185	50	138	116	7	270	140	145	65	40	45	6	215	12.5	38	94	20

YGL-1000~3150A Outline and installation dimensions



External Dimension and Installation Dimension



Splicing — See below if upward terminal
See above if downward

2000-3150A Operation outside

Specification	External Dimension and Installation Dimension									
	A	B	J	K	N	R	S	T	Y	
YGL-1000A/3	378	328	354	135	173	60	64	8	48	
YGL-1000B/4	492	328	440	135	246	60	64	8	48	
YGL-1250A/3	378	336	354	135	173	80	68	8	48	
YGL-1250M/4	492	336	440	135	248	80	68	8	48	
YGL-1600A/3	378	336	354	135	173	80	68	10	49	
YGL-1600M/4	492	336	440	135	246	80	68	10	49	
YGL-2000A/3	378	422	354	240	173	80	111	10	95	
YGL-2000M/4	492	422	440	240	246	80	111	10	95	
YGL-2500A/3	378	432	354	240	173	80	116	15	95	
YGL-2500M/4	492	432	440	240	246	80	116	15	95	
YGL-3150A/3	378	442	354	240	173	80	121	20	95	
YGL-3150M/4	492	442	440	240	246	80	121	20	95	

