

B1 Disconnecter and Fuse

HGLZ Disconnecter



Selection Guide

Product name	Derivative type	Current specification	Number of poles	Operation mode	Auxiliary contact	View window	Double throw switch structure type
HGL	Z	16	3	J	11	K	C
	Default: Single throw switch Z: Double throw switch i: 6 series	16: 16A ... 3150: 3150A	3: 3P 4: 4P	Default: In-cabinet operation J: Out-of-cabinet operation	Default: without aux. 11: With one pair of aux. 22: With two pairs of aux.	Default: Without view window K: With view window	Default: Up and down type C: Left and right type

Product Features

The acceleration mechanism, which can be released instantaneously by the spring energy storage, realizes rapid switching or segmentation, independent of the speed of the operating handle, and greatly improves the extinguishing ability of the arc. The shell made of glass fiber reinforced unsaturated polyester resin and it has good flame retardant properties, dielectric properties, carbonization resistance and impact resistance. Double break point two separate contact surface, the pressure of the contact is guaranteed by the sheet spring, and the limit position of the on/off is automatically determined, with an obvious on/off mark, which indicates the on/off position.

Technical parameters

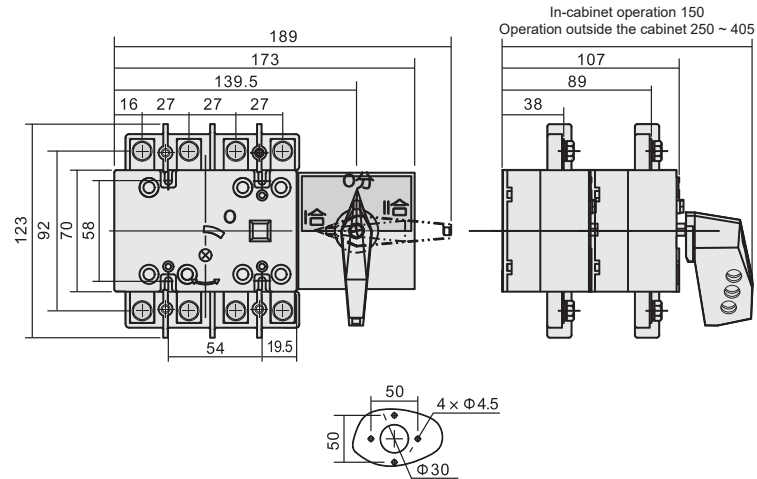
Product model	HGLZ Series disconnecter									
"Up and down" conventional free air heating current (A)	/	80 100	125 160	200 250	315 400	500 630	800 1250	1000 1600	2000 3150	2500
"Left and Right" conventional free air heating current (A)	16 25 32 40 63	80 100	125 160	200 250	315 400	500 630	800 1250	1000 1600	/	
Power frequency withstand voltage (V)	2200									
Rated insulation voltage (A)	800									
Rated impulse withstand voltage Uimp	12kV(2000m)									
Rated short-time withstand current (kA)	2		12		20	25		50		
Mechanical life		8000			5000		3000		1000	

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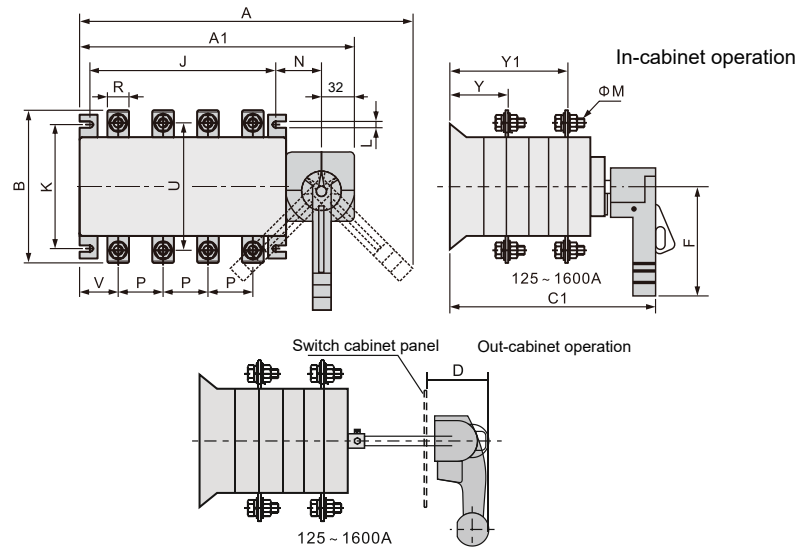
Outline and installation dimension (mm)

■ HGLZ-80~100A Outline and installation dimensions of disconnector



Installation dimension drawing of operating handle panel outside the cabinet

■ HGLZ-125~1600 A Outline and installation dimensions of disconnector

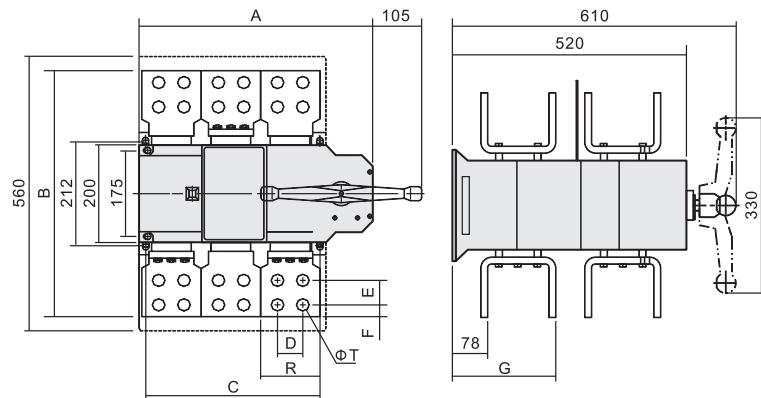


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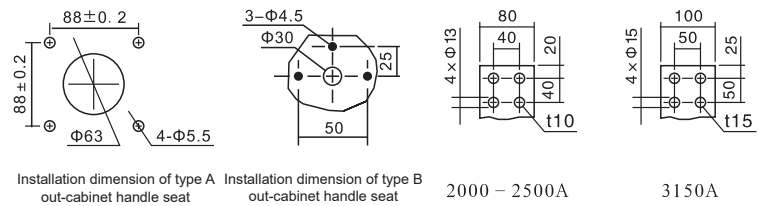
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Specification current	Outline and installation dimensions (mm)																
	A	A1	B	C1	D	F	J	K	L	N	P	R	U	V	φM	Y	Y1
125-160A/3	265	196	135	211	85	115	120	95	7	29.5	36	20	115	29	8	55	122
125-160A/4	295	226	135	211	85	115	120	95	7	29.5	36	20	115	29	8	55	122
200-250A/3	310	235	170	240	85	115	160	115	8.8	29.5	50	25	142	37	10	65	148
200-250A/4	360	288	170	240	85	15	210	115	8.5	29.5	50	25	142	37	10	65	148
315-400A/3	405	305	240	312	85	143	210	180	10	43	65	30	205	48	10	85	200
315-400A/4	460	365	240	312	85	143	275	180	10	43	65	30	205	48	10	85	200
500-630A/3	405	305	260	312	85	143	210	180	10	43	65	40	220	48	12	86	201
500-630A/4	460	35	260	312	85	143	275	180	10	43	65	40	220	48	12	86	201
800-1000A/3	585	480	320	410	105	165	350	220	11	50	120	60	246	73	10	115	260
800-1000A/4	715	600	320	410	105	165	473	220	11	50	120	60	246	73	10	115	260
1250A/3	585	480	340	410	105	165	350	220	11	50	120	80	246	73	12	115	260
1250A/3	715	600	340	410	105	165	473	220	11	50	120	80	246	73	12	115	260
1600A/3	585	480	340	410	105	165	350	220	11	50	120	80	246	73	12	116	262
1600A/3	715	600	340	410	105	165	473	220	11	50	120	80	246	73	12	116	262

■ HGLZ-2000~3150A Outline and installation dimensions of disconnector



HGL-2000~315A In-cabinet operation



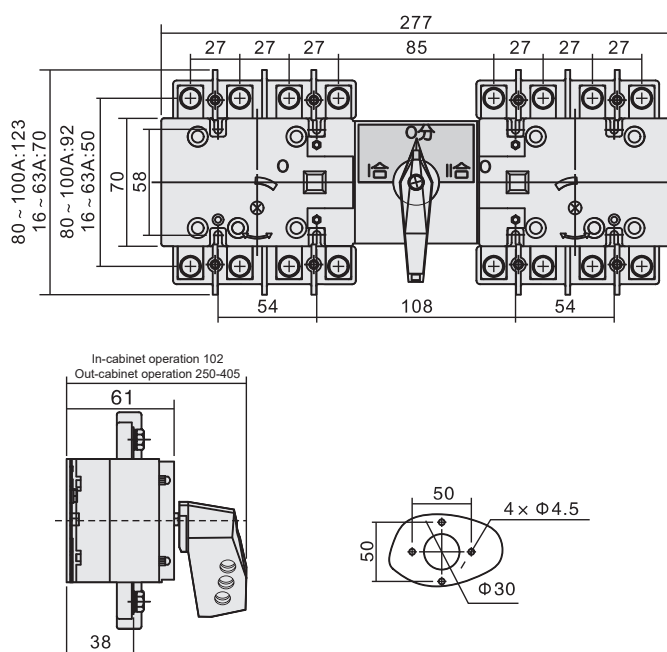
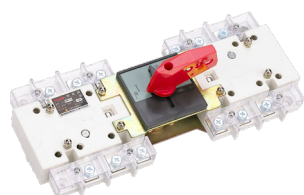
Note:1: Type A handle length 405, Type B handle length 330;
2: Common type is type A handle. If you need type B handle, it can be customized.

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Specification current	Outline and installation dimension (mm)								
	A	B	C	D	E	F	G	φT	R
2000A/3	479	418	353	40	40	20	220	10	80
2000A/4	598	418	473	40	40	20	220	10	80
2500A/3	479	418	453	40	40	20	220	10	80
2500A/4	598	418	473	40	40	20	220	10	80
3150A/3	492	492	353	50	50	25	320	15	100
3150A/4	492	492	473	50	50	25	320	15	100

■ HGLz-16~100/C Outline and installation dimensions of disconnector

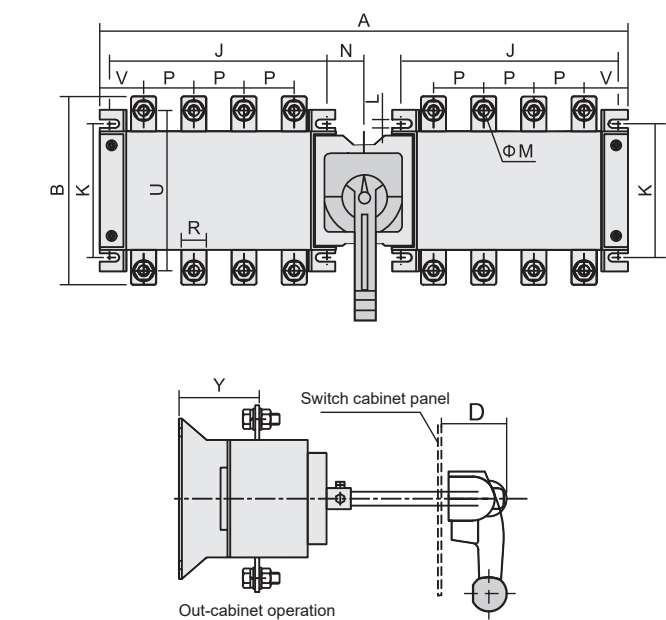


Installation dimension drawing of operating handle panel outside the cabinet

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■ HGLZ-125~1600/C Outline and installation dimensions of disconnector



Specification current	Outline and installation dimension (mm)														
	A	B	C	D	F	J	K	L	N	P	R	U	V	ϕM	Y
125-160A/3	320	135.5	144	85	115	120	95	7	29.5	36	20	115	29	8	55
125-160A/4	380	135.5	144	85	115	150	95	7	29.5	36	20	115	29	8	55
200-250A/3	400	172	158	85	115	160	115	8.5	29.5	50	25	142	37	10	65
200-250A/4	503	172	158	85	115	210	115	8.5	29.5	50	25	142	37	10	65
315-400A/3	545	240	195	85	143	210	180	10	43	65	30	205	48	10	85
315-400A/4	66	240	195	85	143	275	180	10	43	65	30	205	48	10	85
500-630A/3	545	260	195	85	143	210	180	10	43	65	40	220	48	12	86
500-630A/4	660	260	195	85	143	275	180	10	43	65	40	220	48	12	86
800-1000A/3	840	320	258	105	165	350	220	11	50	120	60	/	73	10	115
800-1000A/4	1080	320	258	105	165	473	220	11	50	120	60	/	73	10	115
1250A/3	840	340	258	105	165	350	220	11	50	120	60	/	73	12	115
1250A/3	1080	340	258	105	165	473	220	11	50	120	60	/	73	12	115
1600A/3	840	340	258	105	165	350	220	11	50	120	60	/	73	12	116
1600A/3	1080	340	258	105	165	473	220	11	50	120	60	/	73	12	116

Operating environment and working conditions

Ambient air temperature: the upper limit value shall not exceed +4°C, the lower limit value shall not be lower than -5°C, and the average value within 24h shall not exceed +35°C;
Installation site elevation: not more than 2000m;
Atmospheric conditions: The relative humidity of the atmosphere does not exceed 50% when the ambient air temperature is +40 ° C, and can have a higher relative humidity at lower temperatures: for example, at 20°C, the relative humidity is 90%, and considering the elimination of condensation that occurs on the surface of the product due to temperature changes;
Pollution level: Level 3;
Installation category: III, IV.