

RDH5

Series Isolation switch



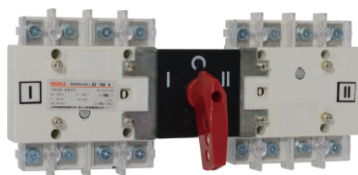
RDH5



RDH5C



RDH5Z1



RDH5Z2



RDH5R

Product description

RDH5(HGL) Series Load isolation switch is suitable for the AC 50Hz, rated voltage below 400V, DC rated voltage below 440V, rated current of 125A~1600A, as the usage of infrequently connecting and breaking the circuit and isolating the circuit in the distribution system, where the switch above 1000A is only used for electrical isolation.

Selection guidance

RDH5	C	400	3	J	400
Product name	Type	frame current	Pole	handle & contact	thermal current
Isolation switch	C:Side operation isolation switch	63	3 : 3P 4 : 4P	Default: operation in the cabinet	63
	Z1 : double changeover switch, upper & lower circuits	100		J:operation out side Cabinet	100
		160			160
		250			250
		400			400
	Z2:Double changeover switch, right & left circuits	630		11 : auxiliary contact 1NO+1NC	630
		1000			1000
		1250		22:auxiliary contact 2NO+2NC	1250
		1600			1600
		2000			2000
		2500			2500
	R:fues type isolation switch	3150		K:Visual window	3150

Normal working condition and installation condition

- Height above sea level does not exceed 2000m
- Environment temperature not exceed +40℃ , not less than -5℃
- Relative humidity does not exceed 90%
- No explosive dangerous medium and no gas and dust sufficient to corrode metal and destroy insulation
- There is no significant shaking and shock vibration
- Without rain and snow environment.

Remark: If the using environment range is not within -5℃~+45℃, should notify the factory

Main technical parameter

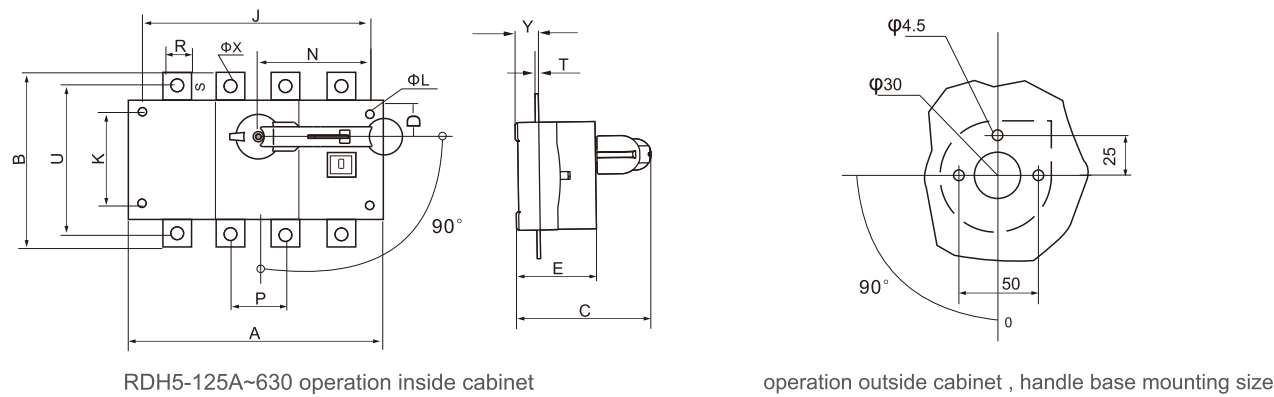
1NO1NC	11	NO+NC	suit RDH5(HGL),RDH5(HGL)C
2NO2NC	22	2NO+2NC	suit RDH5(HGL),RDH5(HGL)C,RDH5(HGL)Z

Rated current (A)	125	160	200	250	315	400	500	630	1000	1250	1600
Dielectric strength(V)	5000	5000	5000	5000	8000	8000	8000	8000	10000	10000	10000
Rated isolation volt.	800	800	800	800	1000	1000	1000	1000	1000	1000	1000
Rated breaking capacity	1000	1000	1600	1600	2500	3200	3200	3200	8000	8000	8000
Rated making capacity	1250	1250	2000	2000	3150	4000	4000	4000	10000	10000	10000
Life	10000	10000	10000	10000	5500	5500	5500	5500	4000	4000	3000

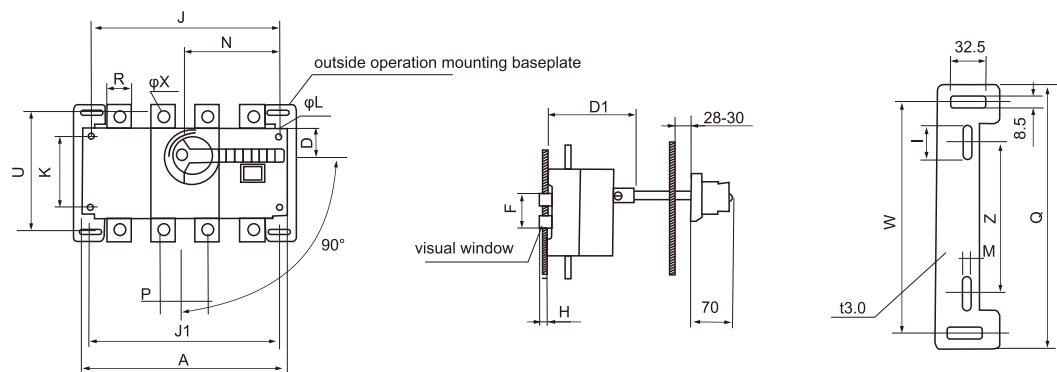
DISCONNECTOR

Dimension & mounting size

RDH5-125A~630A exterior and mounting size



RDH5(HGL)-125A~630A direct operation



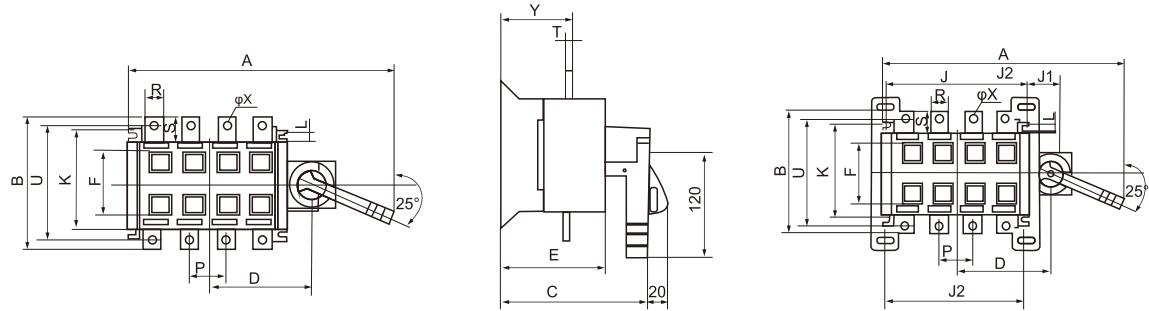
RDH5(HGL)-125A~630A/JK operation outside cabinet mounting baseplate

Amp.	Baseplate size				
	I	M	Z	W	Q
125A	55	5.5	85	190	218
160A	55	5.5	85	190	218
200A	55	5.5	85	190	218
250A	55	5.5	85	190	218
315A	60	6.5	130	240	270
400A	60	6.5	130	240	270
500A	60	6.5	130	240	270
630A	60	6.5	130	240	270

DISCONNECTOR

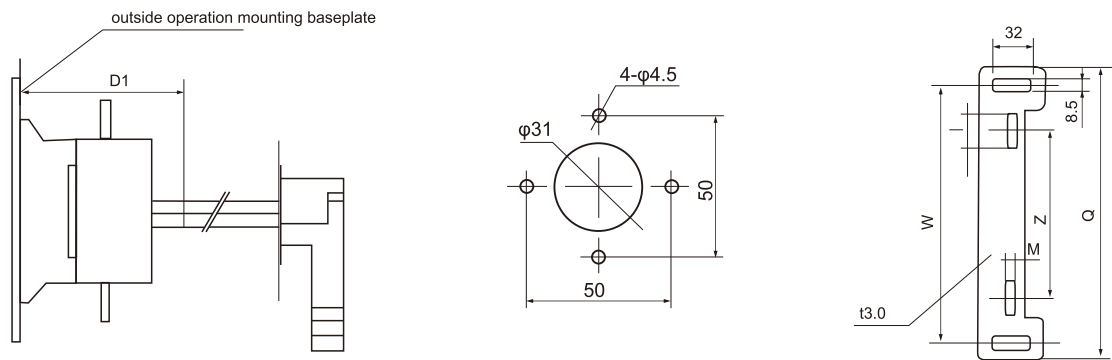
Amp	Exterior and mounting size								
	A	B	J	J1	N	R	S	T	Y
1000A/3	378	312	353	353	174	60	56	8	48
1000A/4	498	312	473	473	234	60	56	8	48
1250A/3	378	338	353	353	174	80	69	8	48
1250A/4	498	338	473	473	234	80	69	8	48
1600A/3	378	338	353	353	174	80	69	10	49
1600A/4	498	338	473	473	234	80	69	10	49

RDH5(HGL)C-125~630A side operation switch exterior and mounting size



RDH5(HGL)C-125~630A/K

RDH5(HGL)C-125~630A/J outside cabinet mounting baseplate

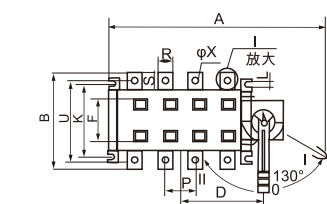


outside handle base mounting size

Amp	Baseplate size			
	I	Z	W	Q
125A	3	115	240	270
160A	3	115	240	270
200A	3	115	240	270
250A	3	115	240	270
315A	4	170	280	311
500A	4	170	280	311
630A	4	170	280	311

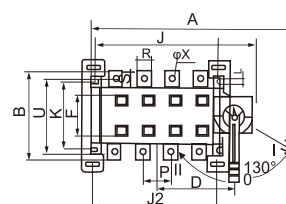
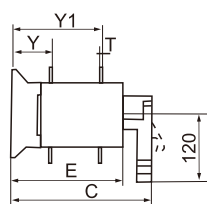
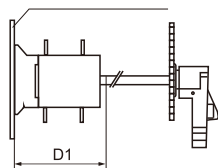
Amp	Exterior and mounting size																		
	A	B	C	D	D1	E	J	J1	J2	K	P	R	S	T	U	φX	Y	L	F
125A/3	267	135	147	89	125	102	120	65	120	95	36	20	25	3.5	115	9	60.5	7	53
125A/4	297	135	147	104	125	102	150	65	150	95	36	20	25	3.5	115	9	60.5	7	53
160A/3	267	135	147	89	125	102	120	65	120	95	36	20	25	3.5	115	9	60.5	7	53
160A/4	297	135	147	104	125	102	150	65	150	95	36	20	25	3.5	115	9	60.5	7	53
200A/3	308	170	153	110	131	108	160	65	160	110	50	25	30	3.5	140	11	66.5	11	80
200A/4	358	170	153	135	131	108	210	65	210	110	50	25	30	3.5	140	11	66.5	11	80
250A/3	308	170	153	110	131	108	160	65	160	110	50	25	30	3.5	140	11	66.5	11	80
250A/4	358	170	153	135	131	108	210	65	210	110	50	25	30	3.5	140	11	66.5	11	80
315A/3	401	240	187	150	155	132	210	77	210	180	65	32	40	5	206	11	80	13	104
315A/4	461	240	187	180	155	132	275	77	275	180	65	32	40	5	206	11	80	13	104
400A/3	401	240	187	150	155	132	210	77	210	180	65	32	40	5	206	11	80	13	104
400A/4	461	240	187	180	155	132	275	77	275	180	65	32	40	5	206	11	80	13	104
500A/3	401	240	187	150	155	132	210	77	210	180	65	40	50	6	220	13	80	13	104
500A/4	461	240	187	180	155	132	275	77	275	180	65	40	50	6	220	13	80	13	104
630A/3	401	260	187	150	155	132	210	77	210	180	65	40	50	6	220	13	80	13	104
630A/4	461	260	187	180	155	132	275	77	275	180	65	40	50	6	220	13	80	13	104

RDH5(HGL)Z-125A~630A switch exterior and mounting size

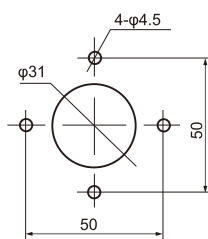


RDH5(HGL)Z-125~630A

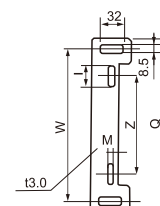
outside cabinet operation mounting baseplate



RDH5(HGL)Z-125~630A/J



outside operation mounting baseplate



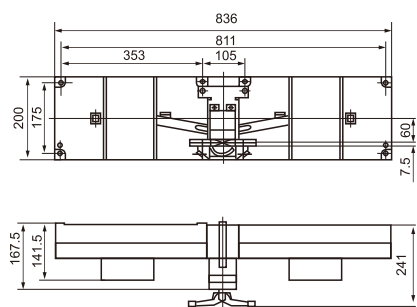
Outside handle base mounting size

Amp	Baseplate size			
	1	Z	W	Q
125A	3	115	240	270
160A	3	115	240	270
200A	3	115	240	270
250A	3	115	240	270
315A	4	170	280	311
500A	4	170	280	311
630A	4	170	280	311

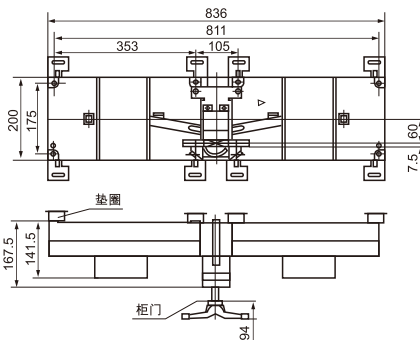
DISCONNECTOR

Model	OUTLINE AND INSTALLATION DIMENSION																				
	A	B	C	D	D1	E	J	J1	J2	K	L	P	R	S	T	U	φX	Y	Y1	F	H
125A/3	267	135	217	89	195	172	120	65	120	95	7	36	20	25	3.5	115	9	60.5	132	53	115
125A/4	297	135	217	104	195	172	150	65	120	95	7	36	20	25	3.5	115	9	60.5	132	53	115
160A/3	267	135	217	89	195	172	120	65	120	95	7	36	20	25	3.5	115	9	60.5	132	53	115
160A/4	297	135	217	104	195	172	150	65	120	95	7	36	20	25	3.5	115	9	60.5	132	53	115
200A/3	308	170	237	110	215	192	160	65	160	110	11	50	25	30	3.5	140	9	66.5	138	80	115
200A/4	358	170	237	135	215	192	210	65	210	110	11	50	25	30	3.5	140	11	66.5	138	80	115
250A/3	308	170	207	110	215	192	210	65	160	110	11	50	25	30	3.5	140	11	66.5	138	80	115
250A/4	358	170	307	135	215	192	275	65	210	110	11	50	25	30	3.5	140	11	66.5	138	80	115
315A/3	401	240	307	150	275	252	210	77	210	180	13	65	32	40	5	206	11	80	192	104	145
315A/4	461	240	307	180	275	252	275	77	275	180	13	65	32	40	5	206	11	80	192	104	145
400A/3	401	240	307	150	275	252	210	77	210	180	13	65	32	40	5	206	11	80	192	104	145
400A/4	461	240	307	180	275	252	275	77	275	180	13	65	32	40	5	206	11	80	192	104	145
500A/3	401	240	307	150	275	252	210	77	210	180	13	65	40	50	5	220	13	80	192	104	145
500A/4	461	240	307	180	275	252	275	77	275	180	13	65	40	50	5	220	13	80	192	104	145
630A/3	401	260	307	150	275	252	210	77	210	180	13	65	40	50	5	220	13	80	192	104	145
630A/4	461	260	307	180	275	252	275	77	275	180	13	65	40	50	5	220	13	80	192	104	145

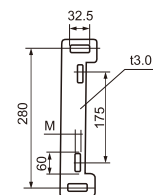
RDH5(HGL)Z-1000A~1600A switch exterior and mounting size



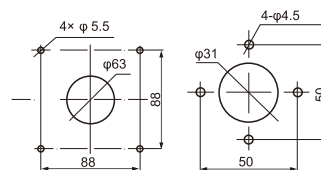
RDH5(HGL)Z-1000A~1600A



RDH5(HGL)Z-1000A~1600A/J



outside operation mounting baseplate

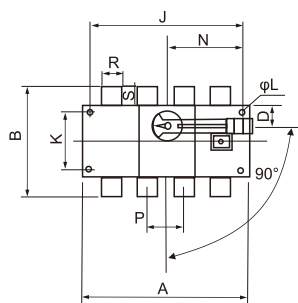


A type outside handle

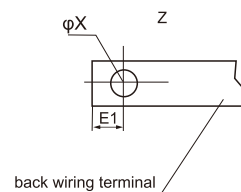
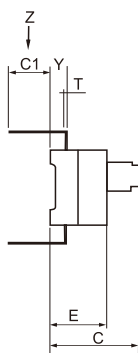
B type outside handle

Outside cabinet operation mounting baseplate

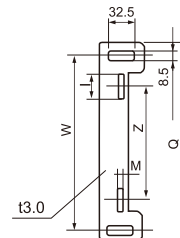
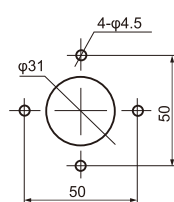
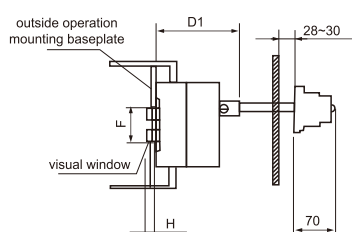
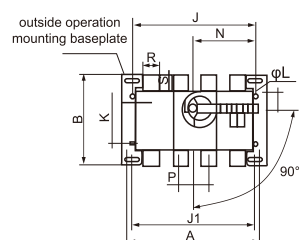
RDH5(HGL)Z-125A~630A/B back connection switch exterior and mounting size



RDH5(HGL)Z-125A~630A/B direct operation



back wiring terminal



RDH5(HGL)Z-125A~630A/BJK outside cabinet operation

Outside cabinet handle base mounting size

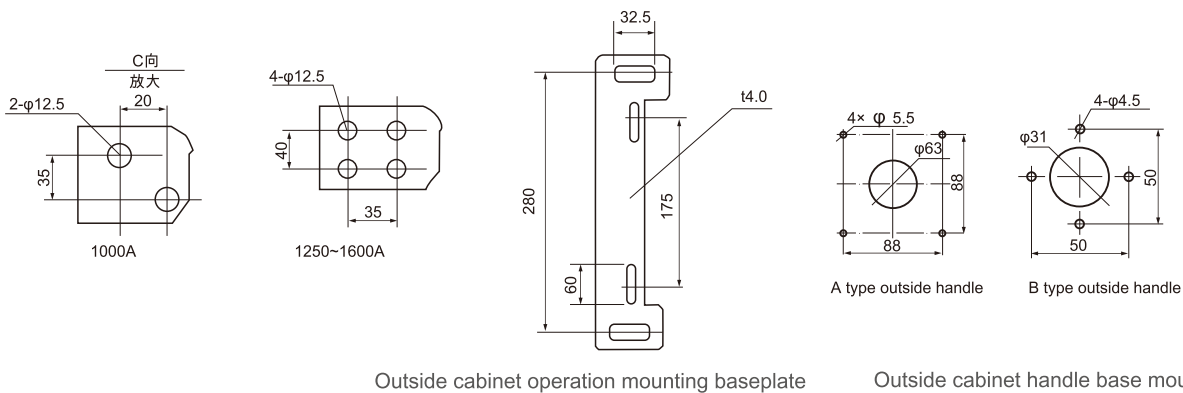
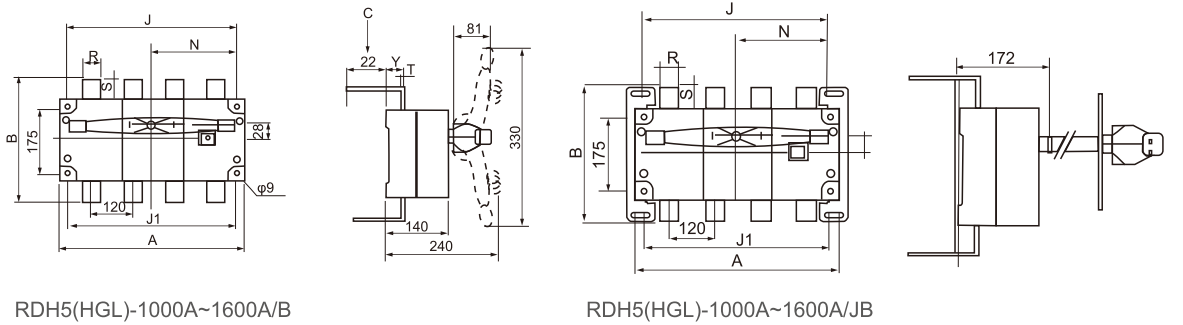
Amp.	Baseplate size		
	Z	W	Q
125A	85	190	218
160A	85	190	218
200A	85	190	218
250A	85	190	218
315A	130	240	270
400A	130	240	270
500A	130	240	270
630A	130	240	270

Outside cabinet operation mounting baseplate

Model	OUTLINE AND INSTALLATION DIMENSION																				
	A	B	C	C1	D	D1	E	E1	φL	J	J1	K	N	P	R	S	T	φX	Y	F	H
125A/3	140	135	125	5	27	92	73	10	5.5	120	120	65	85	36	20	25	3.5	9	25	53	10
125A/4	170	135	125	5	27	92	73	10	5.5	150	150	65	85	36	20	25	3.5	9	25	53	101
160A/3	140	135	125	5	27	92	73	10	5.5	120	120	65	85	36	20	25	3.5	9	25	53	10
160A/4	170	135	125	5	27	92	73	10	5.5	150	150	65	85	36	20	25	3.5	9	25	53	10
200A/3	180	170	138	10	35	98	86	15	5.5	160	160	90	115	50	25	30	3.5	11	25	80	15
200A/4	230	170	138	10	35	98	86	15	5.5	210	210	90	115	50	25	30	3.5	11	25	80	15
250A/3	180	170	138	10	35	98	86	15	5.5	160	160	90	115	50	25	30	3.5	11	25	80	15
250A/4	230	170	138	10	35	98	86	15	5.5	210	210	90	115	50	25	30	3.5	11	25	80	15
315A/3	230	240	165	3	50	135	110	17	7	210	210	140	135	50	32	40	5	11	37	104	20
315A/4	295	240	164	3	50	135	110	17	7	275	275	140	135	65	32	40	5	11	37	104	20
400A/3	230	240	165	3	50	135	110	17	7	210	210	140	135	65	32	40	5	11	37	104	20
400A/4	295	240	165	3	50	135	110	17	7	275	275	140	135	65	32	40	5	11	37	104	20
500A/3	230	260	165	3	50	135	110	20	7	210	210	140	135	65	40	50	5	132	37	104	20
500A/4	295	260	165	3	50	135	110	20	7	275	275	140	135	65	40	50	5	12	37	104	20
630A/3	230	260	165	3	50	135	110	20	7	210	210	140	135	65	40	50	5	12	37	104	20
630A/4	295	260	165	3	50	135	110	20	7	275	275	140	135	65	40	50	5	12	37	104	20

DISCONNECTOR

RDH5(HGL)-1000A~1600A/B back connection - switch exterior and mounting size



Amp	Exterior and mounting size								
	A	B	J	J1	N	R	S	T	Y
1000A/3	378	353	312	353	174	60	56	8	48
1000A/4	498	473	312	473	234	60	69	8	48
1250A/3	378	353	338	353	174	80	69	8	48
1250A/4	498	473	338	473	234	80	56	8	48
1600A/3	378	353	338	353	174	80	69	10	49
1600A/4	498	473	338	473	234	80	69	10	49

RDH5(HGL)-125A~630A/H behind cabinet operation switch mounting size same as RDH5(HGL)C-125A~630A switch mounting size
RDH5(HGL)-125A~630A/JH behind cabinet operation switch mounting size same as RDH5(HGL)-125A~ 630A/J outsize cabinet switch mounting size