

1. Application

AMQ5 Series automatic transfer switch (transfer switch) is developed successfully with the help of the most advanced ATS technology in the world. This kind of transfer switch and intelligent display mated with it are mainly applied in the occasions required uninterrupted power supply like building, posts and telecommunications, mine industry, shipping and military industry. Under the necessary trend of urban power service increasing, it can meet the higher requirements of the reliable power service. This product has many features like reliable performance, small volume and simple operating etc.

2. Main function

With safe and reliable interlocking function, when the breaker is under closing state, the breaker cannot be plugged in or drawn out, you must open the breaker first to plug in or pull out. With function of reliable making and breaking main circuit and secondary circuit, besides, the device possesses self-locking function. When you draw out the breaker, the device has safe insulating isolation (your finger will not touch with the charged parts). The breaker can be mounted with various rotating manual operating mechanism and motor operating mechanism.

3. Specification



Type				AMQ5												
Type AMQ5(Three-step type)				AMQ5-100			AMQ5-250			AMQ5-400			AMQ5-630		AMQ5-800	
Rated voltage				AC690V DC125V												
Rated current				100A			250A			400A			630A		800A	
Number of cutting in				Double cut-in												
Connecting * mode				In front of panel and at back of panel (Non standard * product)												
Operating current	DC110V (A)			3	3	4	3	4	5	5	5	7	6	6	6	
	AC100V/110V (A)			3	3	4	3	4	5	5	5	7	6	6	6	
	AC200V/220V (A)			1.5	1.5	2	1.5	2	2.5	2.5	2.5	3.5	3	3	3	
Trip current	DC110V			1A						1.5A			2A			
	AC100V/110V			1A						1.5A			2A			
	AC200V/220V			0.5A						0.7A			1A			
Performance	Short-time withstanding current			5kA			10kA			12kA			15kA			
	Rated conditional short-circuit current			12.5kA			25kA			30kA			37.5kA			
	Making and breaking capacity			AC-33B(10le making 8le opening) cos=0.35 DC-33B 1.1le making 1.1le opening L/R=1ms												
	Changeover time	A power side	Cut in	55ms			55ms			60ms			100ms			
			Cut off	20ms			20ms			25ms			30ms			
		B power side	Cut in	80ms			80ms			90ms			135ms			
			Cut off	20ms			20ms			25ms			30ms			
	Service life			With 2500 times of electric life with 10000 times(120 times/hour) of mechanical life												
	Operation circle time			120 time/hour												
Auxiliary switch				A source 1C B source 1C switch capacity AC100V5A AC200V2.5A DC100V0.5A												
Accessory				Protective cover breakthrough absorber manual handle												



Type				AMQ5															
Type AMQ5 (Three-step type)				AMQ5-1000		AMQ5-1250		AMQ5-1600		AMQ5-2000		AMQ5-3150		AMQ5-4000					
Rated voltage				AC690V DC125V								AC690V							
Rated current				1000A		1250A		1600A		2000A		3150A		4000A					
Number of cutting in				Double cut-in															
Connecting * mode				At the back of panel in the front of panel								At the back of panel							
Number of pole				2P	3P	4P	2P	3P	4P	2P	3P	4P	2P	3P	4P	2P	3P	4P	
Weight(kg)				30(40)	39(54)	49(64)	31(45)	40(56)	51(66)	36(50)	47(62)	59(74)	95	115	135	110	150	190	207
Operating current	DC110V (A)			6	6	8	6	6	8	7	8	9	8	10	12	10	12	14	16
	AC100V/110V (A)			6	6	8	6	6	8	7	8	9	8	10	12	10	12	14	16
	AC200V/220V (A)			3	3	4	3	3	4	3.5	4	4.5	4	5	6	7	8	7	8
Trip current	DC110V			2A								4A							
	AC100V/110V			2A								4A							
	AC200V/220V			1A								1A							
Performance	Short-time withstanding current			22kA						25kA		35kA		50kA		50kA			
	Rated conditional short-circuit current			50kA						55kA		55kA		80kA		100kA			
	Making and breaking capacity			AC-33B(10Ie making 8Ie opening) cos=0.35 DC-33B 1.1Ie making 1.1Ie openingL/R=1ms								AC2(Ie making Ie opening) cos=0.65							
	Changeover time	A power side	Cut in	115ms						115ms		180ms		140ms		200ms(190)			
			Cut off	25ms						25ms		25ms		30ms		30ms(30)			
		B power side	Cut in	145ms						150ms		220ms		190ms		220ms(240)			
			Cut off	25ms						25ms		25ms		30ms		30ms(30)			
	Service life																		
Operation circle time			120 times/hour								30 times/hour								
Auxiliary switch				A source 1C B source 1C switch capacity AC100V5A AC200V2.5A DC100V0.5A															
Accessory				Protective cover breakthrough absorber manual handle															