

UET6 Series Automatic Transfer Switch

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■ Products feature

UET6 series Automatic Transfer Switch as high-tech products of our company which were developed with latest technology. The automatic transfer switch apply with IEC60947-6-1 standard of ATS for Low-voltage switchgear and controlgear assemblies (See the Part 1 in Section 6 of Low-voltage switchgear and controlgear assemblies) The product components are screened strickly by aging, meantime, finished good run continuously under uninterrupted power for 168 hours to ensure the reliability and safety of the product.

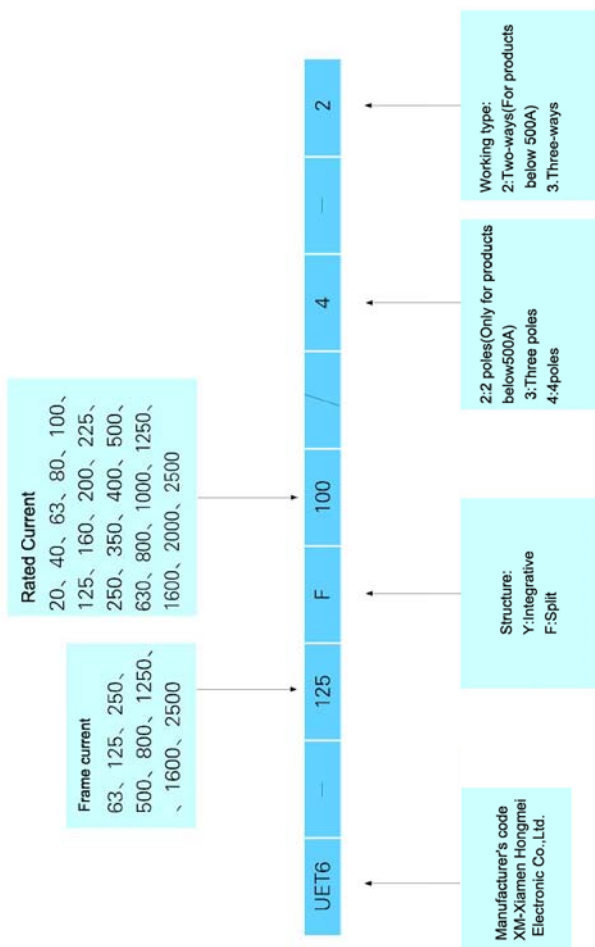
The automatic transfer switch is applicable to the using which is AC 415V, rated frequency 50HZ, and DC 250V. 3-pole and 4-pole are optional for all specification and 2 pole is applicable when used below 500A.

This product is mainly applicable for level 1 load of state regulations, widely used in key position which need continuous power supply, such as: the fire, posts and communications, hospitals, hotels, high-rise buildings, industrial assembly line, TV stations. Main and backup power could be grid, self-starting generator sets, and batteries etc.



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Type and meaning



Notice: 500A and below is front fix, above 500A is back fix.

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Main specifications and performance

1.UET6 two-ways transfer switching equipment parameter

Type	UET6 Two-Ways Type												
Insulation voltage	AC800V												
Impulse withstand voltage	8kA												
Rated voltage	AC400V (AC660V/690V、DC125V/250V)												
Rated current (A)	20、40、63	80、100、125	160、200、225、250	350、400、500									
Number of throw	double throw												
Connecting mode	Wiring in front of the board												
Number of poles	2P	3P	4P	2P	3P	4P	2P	3P	4P	2P	3P	4P	
Weight (Kg)	4.5	5	5.5	5	6.3	6.8	6	6.6	7.3	11	15	18	
Operation current	DC110V/125V	6	6	8	6	6	8	6	8	10	10	14	
	AC110V/110V	6	6	8	6	6	8	6	8	10	10	14	
	AC200V/220V/230V	3	3	4	3	3	4	3	4	5	5	7	
Performance	Short-time withstand current	10kA				15kA				20kA			
	Rated limited short-circuit current(fuse Protection)	100kA						120kA					
	Rated limited short-circuit current(breaker Protection)	50kA						65kA					
	Making and breaking capacity	AC-33B(10Ie making .10Ie breaking)cosΦ=0.35(≤100A, cosΦ=0.45) DC-33B(4Ie making .4Ie breaking)L/R = 2.5m.s											
	Switching Time	Common usage → Backup usage Backup usage → Common usageusing	≤0.2s										
	Service life	Electrical life 6,000 cycles and mechanical life 20,000 cycles											
Operating cycle frequency	120 times per hour												
Auxiliary switch	2 ON,2 OFF for both Common usage& Backup usage side. Switching capacity AC:100V5A/AC:220V3A DC:200V0.2A												
Accessory	Operating handle												

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2.UET6 three-ways transfer switching equipment parameter

Type		UET6 Three-Ways Type																				
Insulation voltage		AC800V																				
Impulse withstand voltage		8kA																				
Rated voltage		AC400V																				
Rated current (A)		20A~63A	80A~125A	160A~250A	350A~500A	630A~800A	1000A~1250A	1600A	1600A~2500A													
Number of throw		double throw																				
Connecting mode		Wiring in front of the board												Wiring on back of the board (For special requirement)								
Number of poles		2P	3P	4P	2P	3P	4P	2P	3P	4P	2P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	
Weight (Kg)		5.5	5.8	6.4	6	6.5	7.2	6	7.1	7.7	11	15	17.8	38	43	54	68.6	115	135	124	140	
Operation current (A)	DC110V/125V	6	6	8	6	6	8	6	8	10	10	10	14	12	12	16	18	20	24	24	28	
	AC110V/110V	6	6	8	6	6	8	6	8	10	10	10	14	12	12	16	18	20	24	24	28	
	AC200V/220V/230V	3	3	4	3	3	4	5	5	5	5	5	6	6	6	6	9	10	12	12	16	
Escape current (A)	DC110V/125V	2						3			4						6					
	AC110V/110V	2						3			4						6					
	AC200V/220V/230V	1						1.4			2						2					
Performance	Short-time withstand current	10kA						15kA			20kA			25kA		32kA		40kA		50kA		
	Rated limited short-circuit current(fuse Protection)	100kA						120kA														
	Rated limited short-circuit current(breaker Protection)	50kA						65kA						50kA								
	Making and breaking capacity	AC-33B(10Ie making .10Ie breaking)cosΦ=0.35(≤100A, cosΦ=0.45) DC-33B(4Ie making .4Ie breaking)L/R = 2.5m.s																				
	Switching Time	Common usage → Backup usage	≤0.2s																			
		Backup usage → Common usage																				
	Service life	Electrical life 6,000 cycles and mechanical life 20,000 cycles																				
Operating cycle frequency		120 times per hour																				
Auxiliary switch		2 ON,2 OFF for both Common usage& Backup usage side. Switching capacity AC:100V5A/AC:220V3A DC:200V0.2A																				
Accessory		Operating handle																				