

1. Application

JRS2 thermal relay is suitable for AC 50/60Hz, voltage up to 660V and current up to 630A, general AC motor of long or discontinuous long operation, used as overload protection and has the functions of breaking phase protection, temperature compensation, and trip indication. It can automatically and manually get back. It can be fixed with contactor CJX1 together, also be independently fixed. The product conforms to IEC60947-4-1 standard.

2. Motion Characteristic: Three-phase Balance Motion Time

No	Times of the setting current	Motion time			Start condition	Ambient temperature
1	1.05	>2h			Cold state	20±5℃
2	1.2	<2h			Heat state(Following the No.1 test)	
3	1.5	<4min				
4	7.2	10A	2s< Tp≤10s	≤63A	Cold state	
		10	4s< Tp≤10s	>63A		

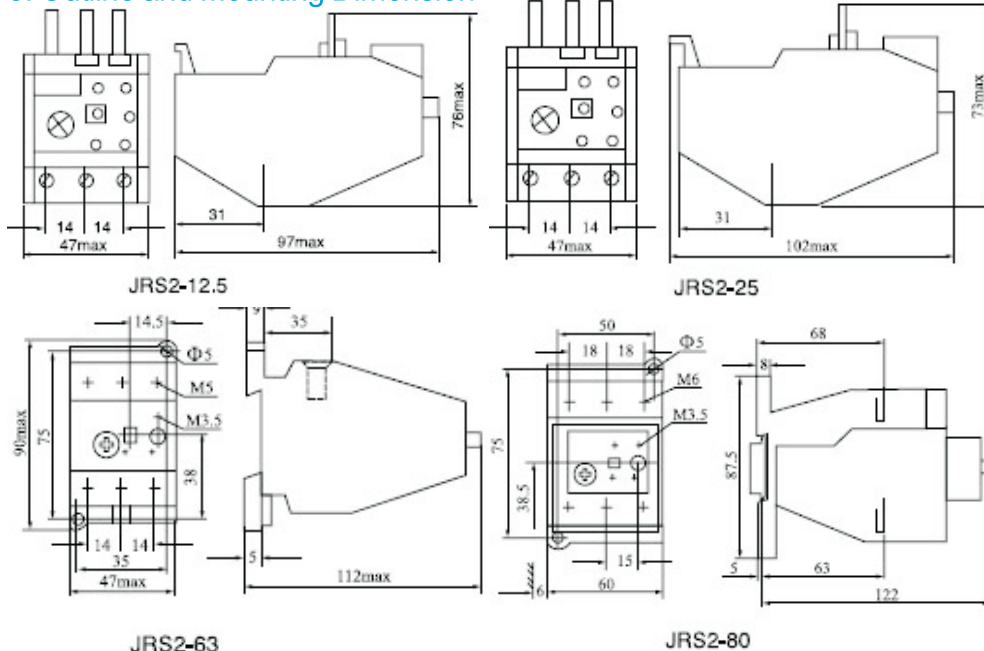
3. Phase-losing Motion Characteristic

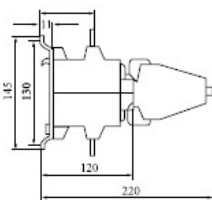
No	Times of the setting current		Motion time	Start condition	Ambient temperature
	Any two phases	Another phase			
1	1.0	0.9	>2h	Cold state	20±5°C
2	1.15	0	<2h	Heat state(Following the No.1 test)	

4. Specification

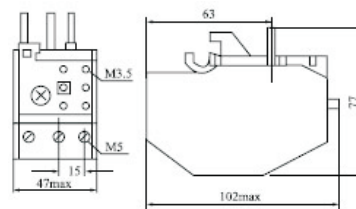
Type	Number	Setting range(A)	For contactor	Type	Number	Setting range(A)	For contactor
JRS2-12.5/Z	0A	0.1~0.16	CJX1-09 CJX1-12	JRS2-25/Z	0A	0.1~0.16	CJX1-16 CJX1-22
	0C	0.16~0.25			0C	0.16~0.25	
	0E	0.25~0.4			0E	0.25~0.4	
	0G	0.4~0.63			0G	0.4~0.63	
	0J	0.63~1			0J	0.63~1	
	0K	0.8~1.25			0K	0.8~1.25	
	1A	1~1.6			1A	1~1.6	
	1B	1.25~2			1B	1.25~2	
	1C	1.6~2.5			1C	1.6~2.5	
	1D	2~3.2			1D	2~3.2	
	1E	2.5~4			1E	2.5~4	
	1F	3.2~5			1F	3.2~5	
	1G	4~6.3			1G	4~6.3	
	1H	5~8			1H	5~8	
	1J	6.3~10			1J	6.3~10	
	1K	8~12.5			1K	8~12.5	
	2S	10~14.5			2A	10~16	
					2B	12.5~20	
					2C	16~25	

5. Outline and Mounting Dimension

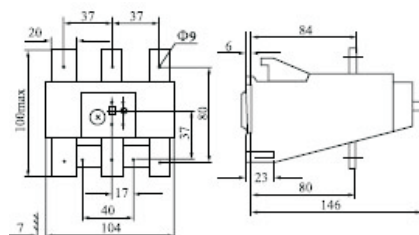




JRS2-400-630



JRS2-32



JRS2-180

Type	Number	Setting range(A)	For contactor		Type	Number	Setting range(A)	For contactor		
JRS2-32/Z	1G	4~6.3	CJX1-32		JRS2-63/F	0K	0.8~1.25	CJX1-09~63		
	1J	6.3~10				1A	1~1.6			
	2A	10~16				1B	1.25~2			
	2B	12.5~20				1C	1.6~2.5			
	2C	16~25				1D	2~3.2			
	2D	20~32				1E	2.5~4			
	2Q	25~36				1F	3.2~5			
JRS2-45/Z	0A	0.1~0.16	CJX1-32 CJX1-38			1G	4~6.3			
	0C	0.16~0.25				1H	5~8			
	0E	0.25~0.4				1J	6.3~10			
	0G	0.4~0.63				1K	8~12.5			
	0J	0.63~1				2A	10~16			
	0K	0.8~1.25				2B	12.5~20			
	1A	1~1.6				2C	16~25			
	1B	1.25~2				2D	20~32			
	1C	1.6~2.5				2E	25~40			
	1D	2~3.2				2M	32~45			
	1E	2.5~4				2T	40~57			
	1F	3.2~5				2P	50~63			
	1G	4~6.3				JRS2-135	2H		55~80	CJX1-85 CJX1-110
	1H	5~8					2W		63~90	
	1J	6.3~10			2X		80~110			
	1K	8~12.5			3H		90~120			
	2A	10~16			3J		110~135			
	JRS2-80/Z	2B			12.5~20	CJX1-45 CJX1-63 CJX1-75 CJX1-85	JRS2-150	2H	55~80	CJX1-140
		2C			16~25			2W	63~90	
		2D			20~32			2X	80~110	
2Q		25~36	3H		90~120					
2R		32~40	3J	110~135						
8M		36~45	3K	120~150						
JRS2-63/F		1G	4~6.3	CJX1-09~63	JRS2-180/F		2H	55~80	CJX1-170CJX1-205	
		8A	11~17				2W	63~90		
	2B	12.5~20	2X			80~110				
	2C	16~25	3H			90~120				
	2D	20~32	3J			110~135				
	2E	25~40	3K			120~150				
	2F	32~50	3L			135~160				
	2T	40~57	3M			150~180				
	2P	50~63	JRS2-400			2K	80~125	CJX1-110~400		
	2V	57~70			3B	125~200				
	2U	63~80			3C	160~250				
	JRS2-63/F	8W	70~88		CJX1-09~63	JRS2-630	3D	200~320	CJX1-400	
0A		0.1~0.16	3E	250~400						
0C		0.16~0.25	3F							
0E		0.25~0.4	3G							
0G		0.4~0.63								
	0.63~1									