

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. Specification

2.1 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°C
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		

2.2 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)	

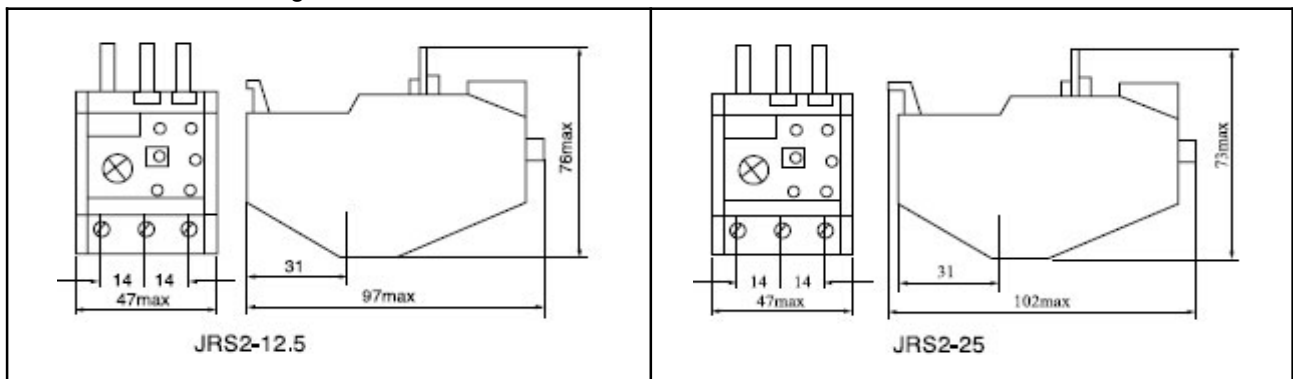
Type	Number	Setting range(A)	For contactor	Type	Number	Setting range(A)	For contactor
JRS2-12.5/Z	0A	0.1~0.16	CJX1-09 CJX1-12	JRS2-25/Z	0A	0.1~0.16	CJX1-16 CJX1-22
	0C	0.16~0.25			0C	0.16~0.25	
	0E	0.25~0.4			0E	0.25~0.4	
	0G	0.4~0.63			0G	0.4~0.63	
	0J	0.63~1			0J	0.63~1	
	0K	0.8~1.25			0K	0.8~1.25	
	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				
JRS2-32/Z	1G	4~6.3	CJX1-32				
	1J	6.3~10					
	2A	10~16					
	2B	12.5~20					
	2C	16~25					
	2D	20~32					
	2Q	25~36					

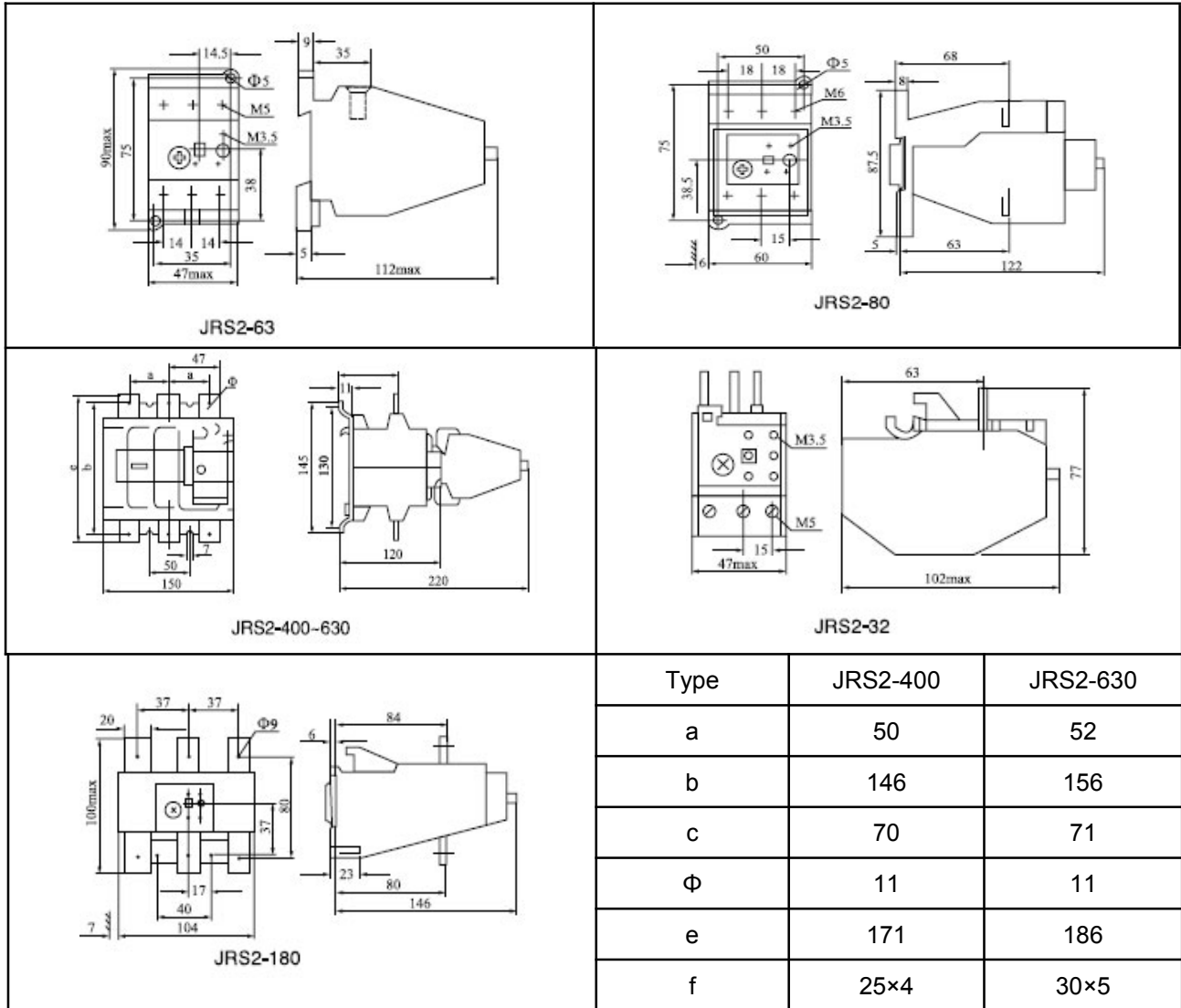
Type	Number	Setting range(A)	For contactor	Type	Number	Setting range(A)	For contactor
JRS2-45/Z	0A	0.1~0.16	CJX1-32 CJX1-38	JRS2-63/F	1A	1~1.6	CJX1-09~63
	0C	0.16~0.25			1B	1.25~2	
	0E	0.25~0.4			1C	1.6~2.5	
	0G	0.4~0.63			1D	2~3.2	
	0J	0.63~1			1E	2.5~4	
	0K	0.8~1.25			1F	3.2~5	
	1A	1~1.6			1G	4~6.3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

Type	Number	Setting range(A)	For contactor	Type	Number	Setting range(A)	For contactor
JRS2-80/Z	1G	4~6.3	CJX1-45 CJX1-63 CJX1-75 CJX1-85	JRS2-180/F	2H	55~80	CJX1-170 CJX1-205
	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	
	8W	70~88			3D	200~320	
					3E	250~400	
					JRS2-630	3F	
			3G				

3. Installation

3.1 Outline and Mounting Dimension





3.2 Accessories

Pic				
Description	JRS2 mounting base	JRS2 mounting base	JRS2 mounting base	Terminal block box
Application	Assembled with JRS2-12.5/Z to form a complete set	Assembled with JRS2-80/Z to form a complete set	Assembled with JRS2-45/Z to form a complete set	Assembled with JRS2-135/Z to form a complete set