

Selection
Guide

■ JRS1Dsp thermal overload relay

model	frame current	setting current	installation method
JRS1Dsp	25	P16	
	25: 25A 38: 38A 93: 93A 185: 185A 630: 630A	P16: 0.1~0.16A ... 93: 80~93A 630: 265~630A	default Combined installation

Note: P means decimal point

Frame current	rated current I _e (A)	Equipped fuse spec.	Equipped contactor spec.	order code
		NO	NC	
25	0.1~0.16	4	—09~38	JRS1Dsp 25 P16
	0.16~0.25	4	—09~38	JRS1Dsp 25 P25
	0.25~0.4	4	—09~38	JRS1Dsp 25 P4
	0.4~0.63	4	—09~38	JRS1Dsp 25 P63
	0.63~1	4	—09~38	JRS1Dsp 25 1
	1~1.6	4	—09~38	JRS1Dsp 25 1P6
	1.6~2.5	6	—09~38	JRS1Dsp 25 2P5
	2.5~4	10	—09~38	JRS1Dsp 25 4
	4~6	16	—09~38	JRS1Dsp 25 6
	5.5~8	20	—09~38	JRS1Dsp 25 8
	7~10	20	—09~38	JRS1Dsp 25 10
	9~13	25	—12~38	JRS1Dsp 25 13
38	12~18	35	—18~38	JRS1Dsp 25 18
	17~25	50	—25~38	JRS1Dsp 25 25
	23~32	63	—25~38	JRS1Dsp 38 32
93	30~40	80	—32~38	JRS1Dsp 38 40
	7~10	20	—40~95	JRS1Dsp 93 10
	9~13	25	—40~95	JRS1Dsp 93 13
	12~18	35	—40~95	JRS1Dsp 93 18
	17~25	50	—40~95	JRS1Dsp 93 25
	23~32	63	—40~95	JRS1Dsp 93 32
	30~40	80	—40~95	JRS1Dsp 93 40
	37~50	100	—50~95	JRS1Dsp 93 50
	48~65	100	—50~95	JRS1Dsp 93 65
	55~70	125	—65~95	JRS1Dsp 93 70
	63~80	125	—80~95	JRS1Dsp 93 80
	80~93	160	—95	JRS1Dsp 93 93

Frame current	rated current I _e (A)	Equipped fuse spec.	Equipped contactor spec.	order code
		NO	NC	
185	48—65	100	120~225	JRS1Dsp 185 65
	55—70	100		JRS1Dsp 185 70
	63—80	100		JRS1Dsp 185 80
	75—95	125		JRS1Dsp 185 95
	90—115	200		JRS1Dsp 185 115
	105—135	200		JRS1Dsp 185 135
	120—150	200		JRS1Dsp 185 150
	130—160	250		JRS1Dsp 185 160
630	150—185	250		JRS1Dsp 185 185
	145—200	400	265~630	JRS1Dsp 630 200F
	180—250	400		JRS1Dsp 630 250F
	230—320	500		JRS1Dsp 630 320F
	290—400	630		JRS1Dsp 630 400F
	350—480	800		JRS1Dsp 630 480F
	460—630	800		JRS1Dsp 630 630F

Technical
Parameters

model	JRS1Dsp-25	JRS1Dsp-38	JRS1Dsp-93	JRS1Dsp-185	JRS1Dsp-630
main technical parameters					
Rated insulation voltage (Ui)	690V	690V	690V	690V	690V
overload protection	yes	yes	yes	yes	yes
Phase failure protection	yes	yes	yes	yes	yes
manual reset	yes	yes	yes	yes	yes
auto reset	yes	yes	yes	yes	yes
stop button	yes	yes	yes	yes	yes
test button	yes	yes	yes	yes	yes
trip indicate	yes	yes	yes	yes	yes
Temperature compensation	-5~+40°C	-5~+40°C	-5~+40°C	-10~+55°C	-10~+55°C
Trip level	10A	10A	10	10	10A
installation method	independent /Combined	independent /Combined	independent /Combined	independent /Combined	independent
Auxiliary circuit					
Contact Specifications	10/01	10/01	10/01	10/01	10/01
AC-15 220V rated working current (Ie)	1.64A	1.64A	1.64A	1.64A	1.57A
AC-15 220V Conventional heating current (Ith)	5A	5A	5A	6A	6A
AC-15 380V rated working current (Ie)	0.95A	0.95A	0.95A	0.95A	0.9A
AC-15 380V Conventional heating current (Ith)	5A	5A	5A	6A	6A
DC-13 220V rated working current (Ie)	0.15A	0.15A	0.15A	0.23A	0.22A
DC-13 220V Conventional heating current (Ith)	5A	5A	5A	6A	6A
DC-13 660/690V rated working current (Ie)	—	—	—	0.55A	0.52A
DC-13 660/690V Conventional heating current (Ith)	—	—	—	6A	6A
certificate	CCC/CE/CB				

■ Accessory

name	order code
JRS1D-25 Installation base	JRS1D 25 J
JRS1D-36 Installation base	JRS1D 36 J
JRS1D-93 Installation base	JRS1D 93 J

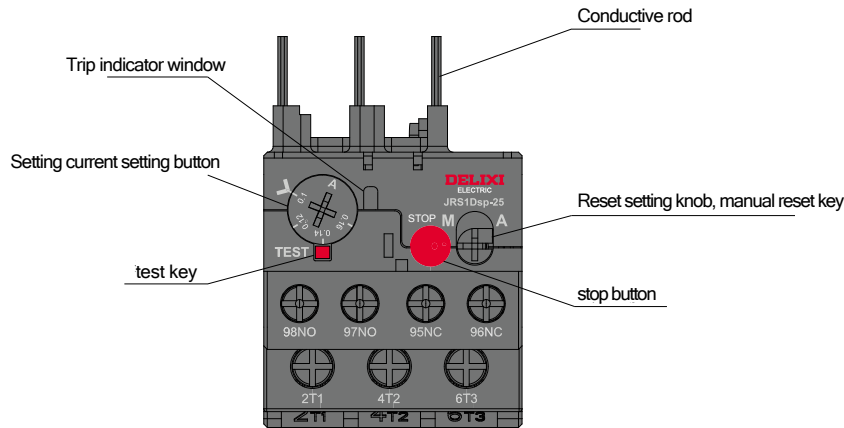


■ Action characteristics

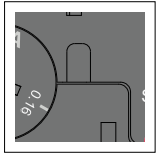
No	Setting current multiple	action time		initial condition	ambient temperature	
		Trip level 10A	Trip level 10			
Operating characteristics when the load of each phase is balanced						
1	1.05	No action in 2 hours	No action in 2 hours	cold	+20℃	
2	1.25	action in 2 hours	action in 2 hours	Hot (after No. 1 test)		
3	1.5	<2 min.	<4 min.	Hot (after No. 1 test)		
4	7.2	2s<Tp ≤ 10s	4s<Tp ≤ 10s	cold	+20℃	
When the load of each phase is unbalanced (operating characteristics of phase failure)						
	Any two-phase	third phase				
1	1.0	0.9	No action in 2 hours	No action in 2 hours	cold	+20℃
2	1.15	0	action in 2 hours	action in 2 hours	Hot (after No. 1 test)	



Product function introduction

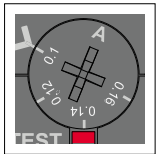


1. Trip indicator window



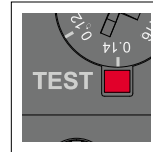
- After the thermal overload relay operates, the tripping indicator window turns orange, indicating "tripping"

2. Setting current setting button



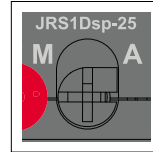
- Set the set current value of the rated motor

3. test key



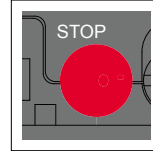
- Can simulate tripping (make NO, NC contacts act), check the control circuit.

4. Reset setting knob, manual reset key



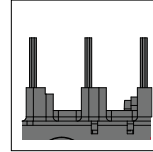
- reset setting knob
- Square pointing to "M": manual reset
- Square pointing to "A": automatic reset
- Manual reset button
- After the thermal overload relay acts (the trip indication window is displayed in orange), press this key to realize reset

5. stop button



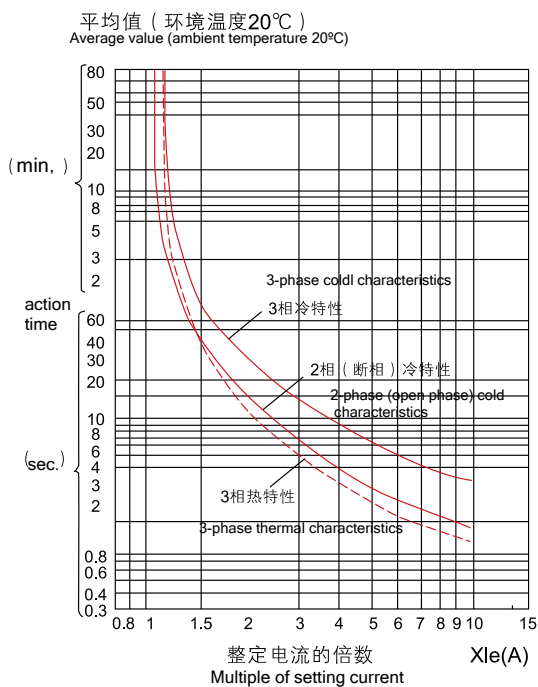
- Actuates the NC contact without affecting the NO contact.
- After pressing, the control circuit is disconnected, and the motor stops working.

6. Conductive rod

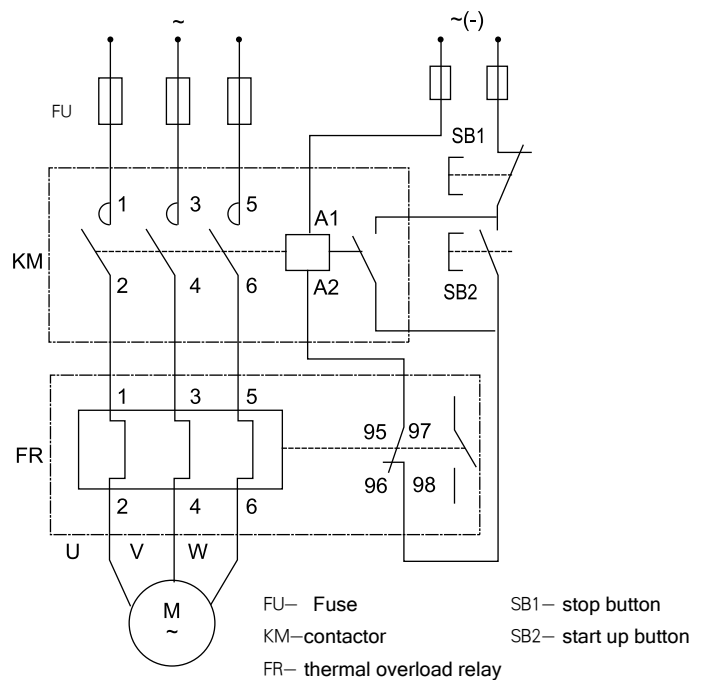


- It can be directly inserted into the main circuit of the matched contactor. The conductive rod is square, which increases the contact area and makes the installation and wiring more secure.

Trip curve diagram

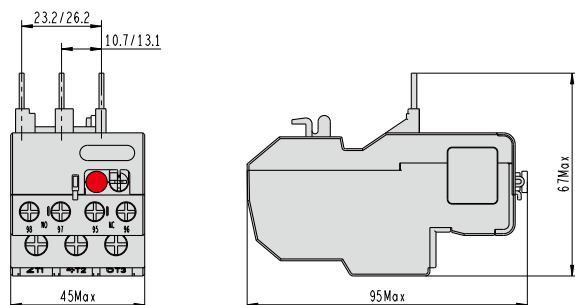


Installation wiring diagram

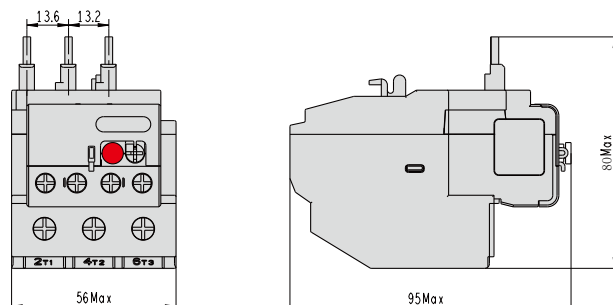


Shape and
installation dimensions

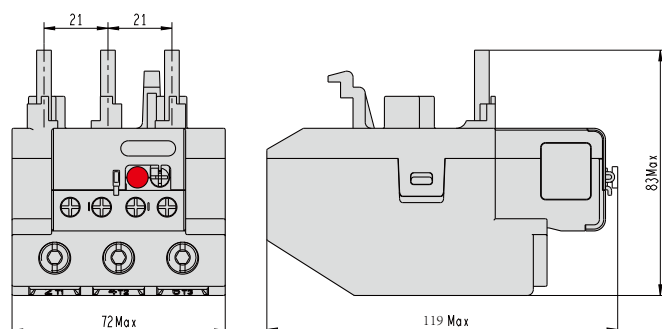
■ JRS1Dsp-25



■ JRS1Dsp-38

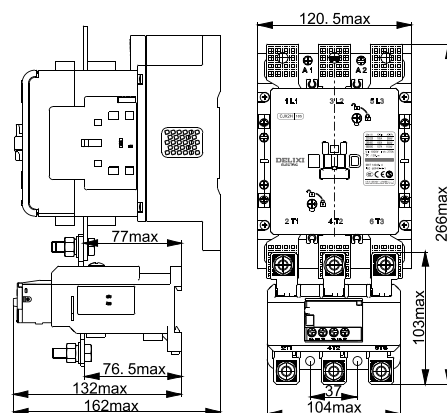


■ JRS1Dsp-93



■ JRS1Dsp-185

Equipped with CJX2s-120/160/185/225

■ JRS1Dsp-630
independent installation