

Product Selection

Product Model	Aux. contact	Coil voltage	Coil freq.	Special inspection
CDZ6i	22	M		
	22: 2NO+2NC	B: 24V	No: 50Hz	RoHS compliant
	31: 3NO+1NC	...	7: 50/60Hz	Inspection standard
	40: 4NO+0NC	M: 220V/230V		
	13: 1NO+3NC	...		
	04: 0NO+4NC	Q: 380V/400V		
		...		

Contact		Order code
Normally-open NO	Normally-closed NC	
2	2	CDZ6i 22 *
3	1	CDZ6i 31 *
4	0	CDZ6i 40 *
1	3	CDZ6i 13 *
0	4	CDZ6i 04 *

■ Coil voltage code

Coil voltage (V)	24	36	48	110	127	220/230	240	380/400	415	440
	B	C	E	F	S	M	U	Q	L	X

Note:

* in the CDZ6i Order Code can be indicated by the coil voltage code

The coil frequency 50Hz is a conventional frequency, and is default in the model.

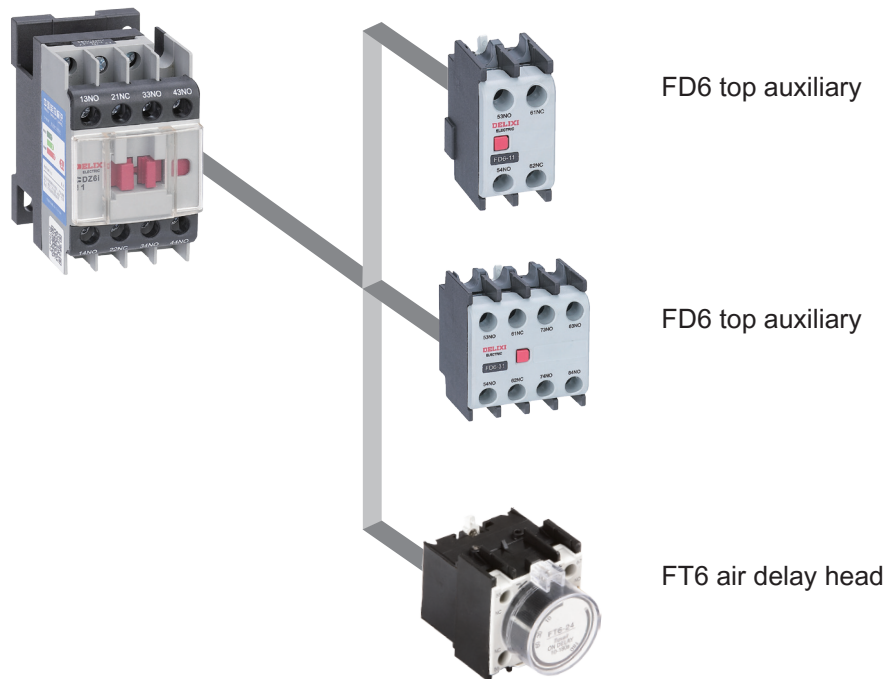
All coil voltages for 50Hz are also available for 50/60Hz

Technical Parameters

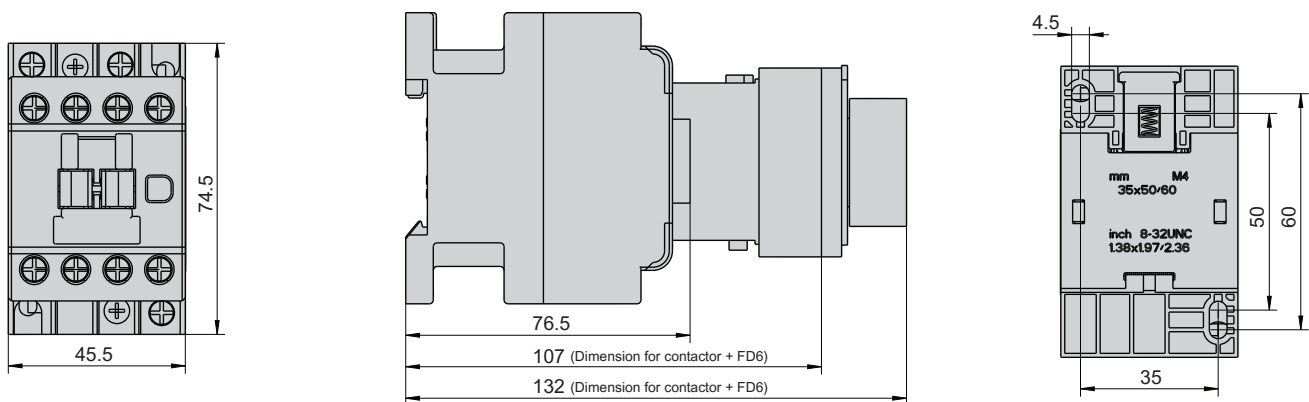
Rated insulation voltage (Ui)	V	690
Resistive current (Ith)	A	10
Rated operating current (Ie)	A	AC-15 380V:0.95
		DC-13 220V:0.15
Contact combination		2NO+2NC, 3NO+1NC, 4NO+0NC, 1NO+3NC, 0NO+4NC
Electrical durability	10,000 cycles	115
Mechanical durability	10,000 times	1100
Operating frequency	cycles/h	1200
Rated control circuit voltage (Us)	50Hz	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440
	50/60Hz	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440
Pull-in voltage range		Installation tilt angle $\pm 22.5^\circ$: 85%~110%Us; Installation tilt angle $\pm 5^\circ$: 70%~120%Us
Release voltage range		Installation tilt angle $\pm 22.5^\circ$: 20%~75%Us; Installation tilt angle $\pm 5^\circ$: 20%~65%Us
Product certification		CCC, CE

Accessories

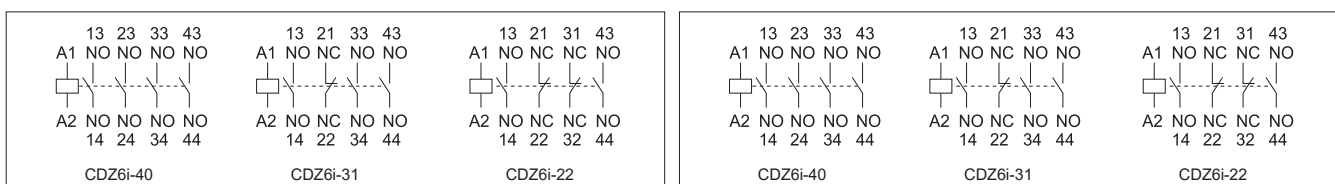
■ Accessory installation diagram



Outline and Installation Dimensions



■ Wiring diagram



Product Selection

Product model	Frame current	Setting currnt	Installation method
CDR6i	25	P16	
	25: 25A	P16: 0.1~0.16A	Default : Combination installation
	38: 38A	...	
	93: 93A	93: 80~93A	

	Setting current (A)	Matched fuse spec.	Matched contactor spec.	Order code
		RT16 recommended	CDC6i recommended	
25	0.1~0.16	4	-09~38	CDR6i 25 P16
	0.16~0.25	4	-09~38	CDR6i 25 P25
	0.25~0.4	4	-09~38	CDR6i 25 P4
	0.4~0.63	4	-09~38	CDR6i 25 P63
	0.63~1	4	-09~38	CDR6i 25 1
	1~1.6	4	-09~38	CDR6i 25 1P6
	1.6~2.5	6	-09~38	CDR6i 25 2P5
	2.5~4	10	-09~38	CDR6i 25 4
	4~6	16	-09~38	CDR6i 25 6
	5.5~8	20	-09~38	CDR6i 25 8
	7~10	20	-09~38	CDR6i 25 10
	9~13	25	-12~38	CDR6i 25 13
	12~18	35	-18~38	CDR6i 25 18
38	17~25	50	-25~38	CDR6i 25 25
	23~32	63	-25~38	CDR6i 38 32
93	30~40	80	-32~38	CDR6i 38 40
	7~10	20	-40~95	CDR6i 93 10
	9~13	25	-40~95	CDR6i 93 13
	12~18	35	-40~95	CDR6i 93 18
	17~25	50	-40~95	CDR6i 93 25
	23~32	63	-40~95	CDR6i 93 32
	30~40	80	-40~95	CDR6i 93 40
	37~50	100	-50~95	CDR6i 93 50
	48~65	100	-50~95	CDR6i 93 65
	55~70	125	-65~95	CDR6i 93 70
	63~80	125	-80~95	CDR6i 93 80
	80~93	160	-95	CDR6i 93 93

Technical Parameters

Temperature compensation		-5℃~+40℃		
Trip grade	10A	CDR6i-25, 38		
	10	CDR6i-93		
Rated insulation voltage Ui V		690V		
Product features				
Overload protection		Yes		
Phase open protection		Yes		
Manual reset		Yes		
Auto reset		Yes		
Stop button		Yes		
Test button		Yes		
Trip indicator		Yes		
Inclination between the mounting surface and the vertical surface		±5°		
Auxiliary circuit				
Usage category		AC-15		DC-13
Rated frequency	Hz	50	50	50
Rated insulation voltage Ui	V	500	500	500
Rated operating voltage Ue	V	220	380	220
Rated operating current Ie	A	1.64	0.95	0.15
Resistive current Ith	Normally-open	5	5	5
	Normally-closed	5	5	5
Product certification		CCC、CE		

Accessories

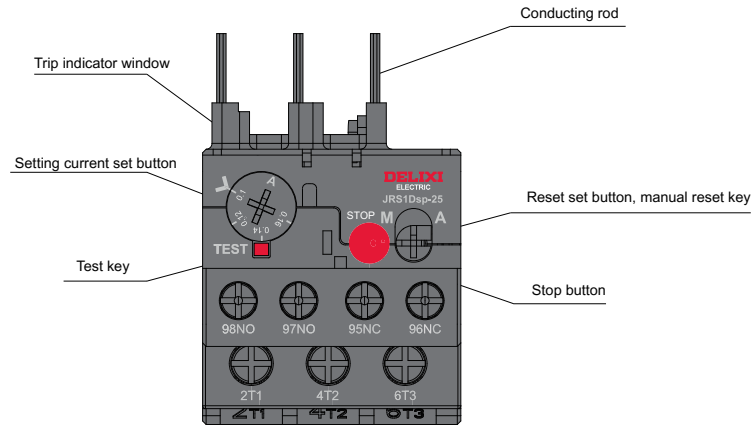
Name	Order code
JS1D-25 mounting base	JRS1D 25 J
JS1D-36 mounting base	JRS1D 36 J
JS1D-93 mounting base	JRS1D 93 J



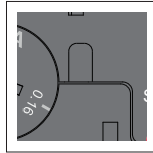
■ Operating characteristics

No.	Setting current multiple	Operation time		Starting condition	Ambient temperature
		Trip grade 10A	Trip grade 10		
Operating characteristics when all phase loads are balanced					
1	1.05	No operation within 2 hours	No operation within 2 hours	Cold state	+20°C
2	1.25	Operation within 2 hours	Operation within 2 hours	Hot state (after 1# test)	
3	1.5	< 2 minutes	< 4 minutes	Hot state (after 1# test)	
4	7.2	2s < T_p ≤ 10s	4s < T_p ≤ 10s	Cold state	+20°C
Operating characteristics of each phase load is unbalanced (phase open).					
	Any two phases	Third phase			
1	1.0	0.9	No operation within 2 hours	No operation within 2 hours	Cold state
2	1.15	0	Operation within 2 hours	Operation within 2 hours	Hot state (after 1# test)

Product function introduction

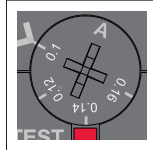


1. Trip indicator window



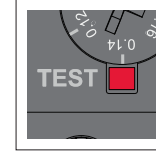
- When the thermal overload relay works, the trip indicator window becomes orange, indicating "trip"

2. Setting current set button



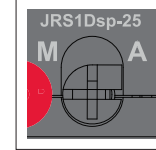
- Set the setting current value of the rated motor

3. Test key



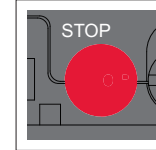
- Used to simulate the trip (make the NO and NC contacts work), Check the control circuit.

4. Reset setting button and manual reset button



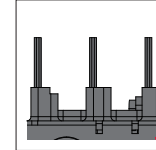
- Reset setting button
- The square faces towards "M": Manual reset
- The square faces towards "A": Auto reset
- Manual reset key
- After the thermal overload relay works (the trip indicator window becomes orange), press this key for reset.

5. Stop button



- Make the NC contact work without affecting the NO contact.
- With this button pressed, disconnect the control circuit to stop the motor.

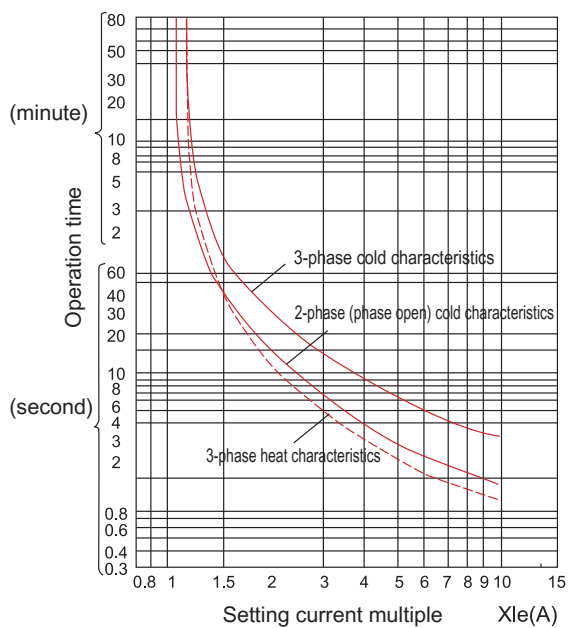
6. Conducting rod



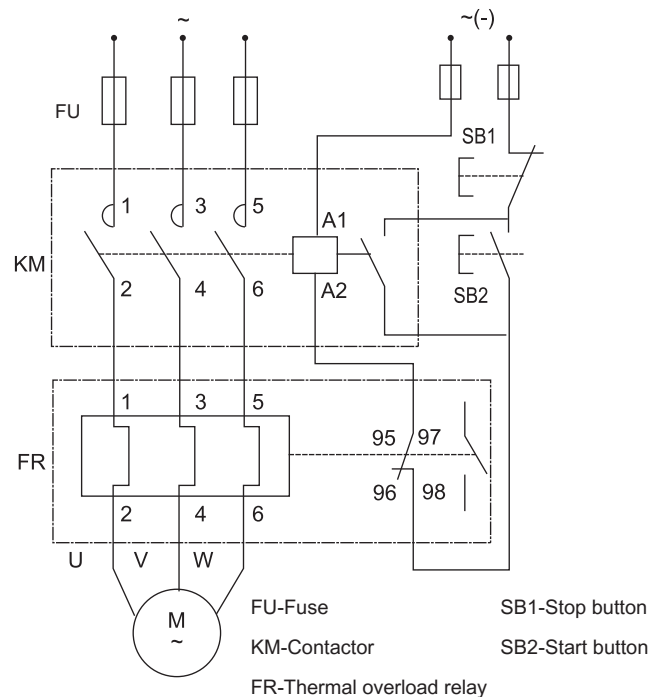
- It can be directly inserted into the main circuit of the matched contactor.
- The conductive rod is square shaped, increasing the contact area for more firm wiring installation.

Trip curve diagram

Average value (ambient temperature 20°C)

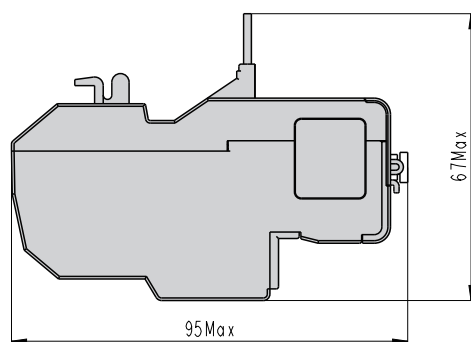
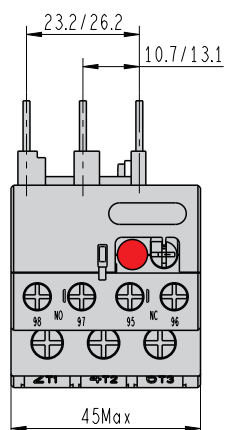


Installation wiring diagram

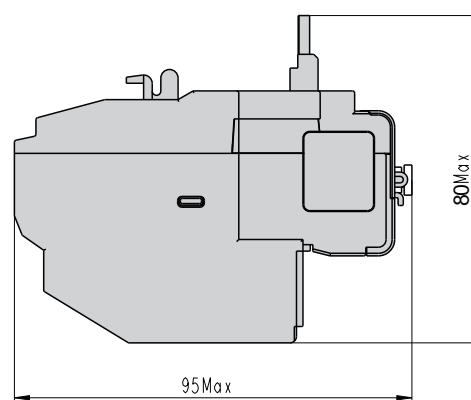
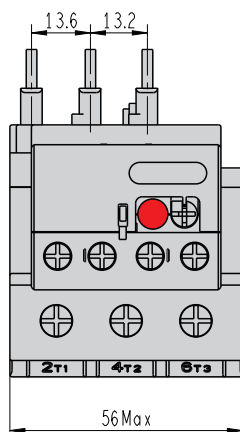


Outline and Installation Dimensions

■ CDR6i-25



■ CDR6i-38



■ CDR6i-93

