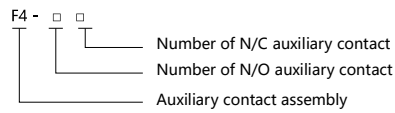


5. Accessories

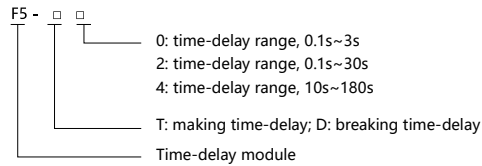
5. Accessories

Items	Model	NC1-09	NC1-12	NC1-18	NC1-25	
AC coil	Coil power	In-rush (VA)	70	70	70	110
		Sealed (VA)	9	9	9.5	14
		Power (W)	1.8~2.7	1.8~2.7	3~4	3~4
	Operation range	Operation voltage	(85%~110%)Us			
		Drop-out voltage	(20%~75%) Us			
	Coil voltage(50Hz,60Hz, 50/60Hz)(V)	24,36,48,110,127,220,230,240,380,415,440,480,500,600,660				
DC coil	Coil power(W)		9	9	11	11
	Operation range	Pick-up voltage	(85%~110%) Us			
		Drop-out voltage	(10%~75%) Us			
	Coil voltage (V)		24,36,48,110,220			

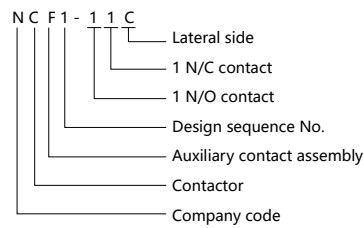
F4 auxiliary contact









F5 time-delay block



NCF1-11C lateral side auxiliary contact



















NC1-32	NC1-40	NC1-50	NC1-65	NC1-80	NC1-95
110	300	300	300	300	300
14	57	57	57	57	57
3~4	6~10	6~10	6~10	6~10	6~10
(85%~110%) Us					
(20%~75%) Us					
24,36,48,110,127,220,230,240,380,415,440,480,500,600					
11	20	20	20	20	20
(85%~110%) Us					
(10%~75%) Us					

Picture	Model	Configuration of contacts		
		Number of N/O contact	Number of N/C contact	
	F4-20	2	0	
	F4-11	1	1	
	F4-02	0	2	
	F4-40	4	0	
	F4-31	3	1	
	F4-22	2	2	
	F4-13	1	3	
	F4-04	0	4	
Picture	Model	Time-delay rangeN	umber of time-delay contacts	
	F5-T0	0.1s~3s	N/O+N/C	
	F5-T2	0.1s~30s	N/O+N/C	
	F5-T4	10s~ 180s	N/O+N/C	
	F5-D0	0.1s~3s	N/O+N/C	
	F5-D2	0.1s~30s	N/O+N/C	
	F5-D4	10s~ 180s	N/O+N/C	
	NCF1-11C			
	NC1-40Z-95Z (DC coil) cannot be installed with such accessory	11		
 SR2-A Surge suppressor	Suppression voltage range	AC 24V~48V	SR2-A 24V~48V	
		AC 100V~250V	SR2-A 100V~250V	Able to be used for the products of 9A~38A or lower
		AC 380V~440V	SR2-A 380V~440V	
		AC 24V~48V	SR2-C 24V~48V	
		AC 100V~250V	SR2-C 100V~250V	Able to be used for the products of 40A~95A or lower
		AC 380V~440V	SR2-C 380V~440V	
 SR2-C Surge suppressor				






5.2 Derived products when the contactor is assembled with following accessory module

Derived products	Contactor	Accessorial modular	Picture
Time-delay contactor		+  Time-delay block	→ 
Reversing contactor		+  Mechanical interlock	→ 
Magnetic starter		+  Thermal relay	→ 
AC contactor for capacitor switching		+  Current-limiting contact assembly	→ 
Star-delta starter		+  +  Time-delay block Auxiliary contact assembly	→ 




Note: NC1-09Z-95Z cannot form the reversing contactor.

5.3 Assembly with thermal over-load relay

Model of contactor	Assembled thermal over-load relay			
	Model	Rated current (A)	Recommended fuse type	
			aM	gG
NC1-09 NC1-12 NC1-18 NC1-25 NC1-32	 NR2-25	0.1~0.16	0.25	2
		0.16~0.25	0.5	2
		0.25~0.4	1	2
		0.4~0.63	1	2
		0.63~1	2	4
		1~1.6	2	4
		1.25~2	4	6
		1.6~2.5	4	6
		2.5~4	6	10
		4~6	8	16
		5.5~8	12	20
		7~10	12	20
		9~13	16	25
12~18	20	35		
17~25	25	50		
NC1-32	 NR2-36	23~32	40	63
		28~36	40	80
NC1-40 NC1-50 NC1-65 NC1-80 NC1-95	 NR2-93	23~32	40	63
		30~40	40	100
		37~50	63	100
		48~65	63	100
		55~70	80	125
		63~80	80	125
		80~93	100	160



5.4 Assembly with electronic overload relay

Model of contactor	Model	Rated	Range of setting	Recommended	
		Assembled thermal current (A)	Over-load relay current (A)	Fuse type	
NC1-09		1.2	0.6~1.2	RT36-4 (NT00-4)	
		2.4	1.2~2.4	RT36-6 (NT00-6)	
		4	2~4	RT36-10 (NT00-10)	
		8	4~8	RT36-16 (NT00-16)	
		10	5~10	RT36-20 (NT00-20)	
		12	7~12	RT36-25 (NT00-25)	
NC1-12	NRE8-25	20	10~20	RT36-40 (NT00-40)	
NC1-18		25	20~25	RT36-50 (NT00-50)	
NC1-25		32	22~32	RT36-80 (NT00-80)	
NC1-32			4	2~4	RT36-10 (NT00-10)
NC1-40			8	4~8	RT36-16 (NT00-16)
			10	5~10	RT36-20 (NT00-20)
	20		10~20	RT36-40 (NT00-40)	
	40		20~40	RT36-80 (NT00-80)	
NC1-40		65	30~65	RT36-160 (NT00-160)	
NC1-50					
NC1-65					
NC1-80					
NC1-95					100

6. Technical information

6.1 Terminal connection

Model	Cabling cross section(Cu)				Screw size	Tightening torque (Nm)
	Number of piece	Flexible cable with cold-pressed socket (mm ²)	Flexible cable without cold-pressed socket (mm ²)	Inflexible cable (mm ²)		
NC1-09	1	1/2.5	1/4	1/4	M3.5	0.8
	2	1/2.5	1/2.5	1/4	M3.5	0.8
NC1-12	1	1/2.5	1/4	1/4	M3.5	0.8
	2	1/2.5	/	1/4	M3.5	0.8
NC1-18	1	1.5/4	1.5/6	1.5/6	M3.5	0.8
	2	1.5/4	1.5/4	1.5/6	M3.5	0.8
NC1-25	1	1.5/4	1.5/10	1.5/6	M4	1.2
	2	1.5/4	1.5/6	1.5/6	M4	1.2
NC1-32	1	2.5/6	2.5/10	2.5/10	M4	1.2
	2	2.5/6	2.5/6	2.5/10	M4	1.2
NC1-40	1	6/25	6/25	6/25	M8	6
	2	4/10	4/10	4/10	M8	6
NC1-50	1	6/25	6/25	6/25	M8	6
	2	4/10	4/10	4/10	M8	6
NC1-65	1	6/25	6/25	6/25	M8	6
	2	4/10	4/10	4/10	M8	6
NC1-80	1	10/35	10/35	10/35	M10	⌀ 6 ○ 10
	2	6/16	6/16	6/16	M10	⌀ 6 ○ 10
NC1-95	1	10/35(50)	10/35(50)	10/35(50)	M10	⌀ 6 ○ 10
	2	6/16	6/16	6/16	M10	⌀ 6 ○ 10