

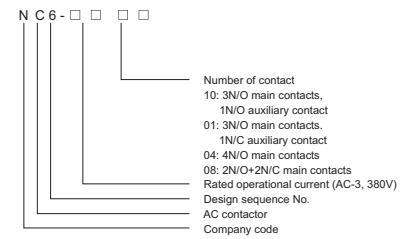


1. General

- 1.1 Certificates: CB, UL, VDE, ESC, FIMKO, UKRTEST, PCT, RCC;
- 1.2 Electric ratings: AC50/60Hz, up to 690V, up to 9A;
- 1.3 Application: remotely makes and breaks circuit; protect circuit from over-load assembling with proper thermal relay;
- 1.4 Utilization category: AC-1, AC-3, AC-4;
- 1.5 Ambient temperature: -5°C~+40°C;
- 1.6 Altitude: ≤2000m;
- 1.7 Mounting category: II, III;
- 1.6 Mounting conditions: inclination between mounting plane and vertical plane not exceed ±30° ;
- 1.8 Standard: IEC60947-4-1



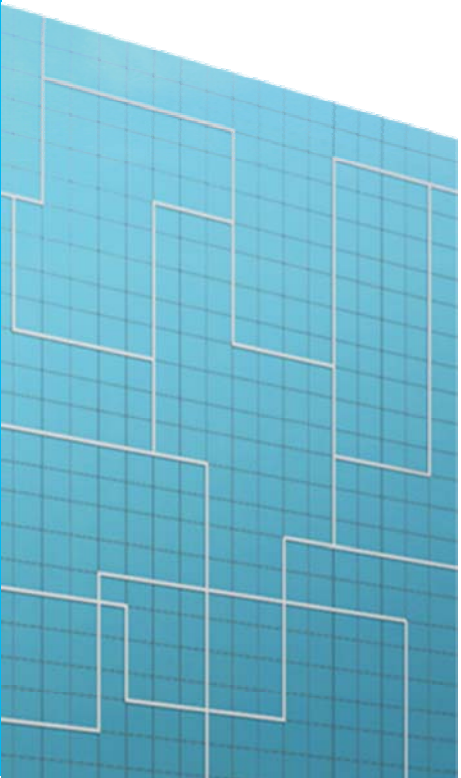
2. Type Designation




3. Technical Data

3.1 Contactor  
 ★ 3P contactor AC coil operation

Items	Model	NC6-06	NC6-09
Rated conventional heating current (A)	AC-1	20	20
Rated operational current (A)	AC-3/ AC-4	380/400V: 6 660/690V: 3.8	220/230V: 1.5 380/400V: 2.2 660/690V: 3
	power of motor	240V: - 400V: - 600V: -	240V: - 400V: - 600V: -
Operating cycles (operations/h)	Electric life	AC-3: 1200 AC-4: 300	AC-3: 1200 AC-4: 300
	Mechanical life	3600	3600
Electric life (× 10 <sup>6</sup> operations)	AC-3	1200	1200
	AC-4	25	25
Mechanical life (× 10 <sup>6</sup> operations)		10	10
Matching fuse model		RT16-16	RT16-20



★ 4P contactor AC operation

Items	Model	NC6-06	NC6-09	
				
Rated operational current (A)	AC-1	20	20	
	AC-3/ AC-4	380/400V 660/690V	6 3.8 5	
power of motor	kW (AC-3)	220V/230V/240V	1.5	2.2
		380/400V	2.2	4
		660/690V	3	4
	HP	240V	-	2
		400V	-	3
600V	-	3		
Operating cycles (operations/h)	Electric life	AC-3	1200	1200
		AC-4	300	300
	Mechanical life	3600	3600	
Electric life ( $\times 10^3$ operations)	AC-3	1200	1200	
	AC-4	25	25	
Mechanical life ( $\times 10^6$ operations)		10	10	
Matching fuse model		RT16-16	RT16-20	

3.2 AC coil specifications

Items	Model	NC6-06	NC6-09
Rated control voltage (V)		24, 36, 48, 110, 127, 220, 380	
Coil power (VA)	Pick-up	30	30
	Holding	4.5	4.5

4. Terminal connection



Model	Number of piece	Conductor (mm <sup>2</sup> )	Screw size	Tightening torque (N · m)
NC6-06	1	2.5	M3	0.5
NC6-09	1	2.5	M3	0.5

5. Accessories

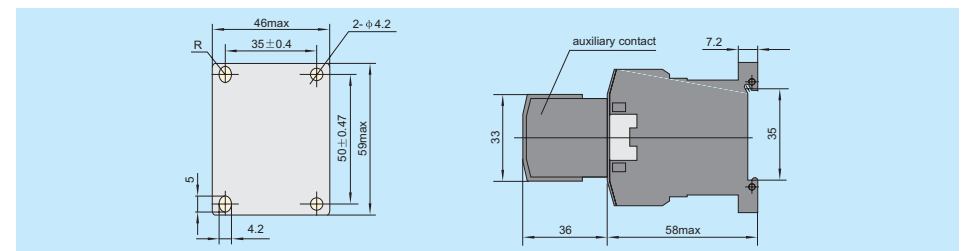
5.1 Auxiliary contact

Model	Auxiliary contact		
	Model of assembled contact	Conventional heating current (A)	Control capacity
NC6-06	NCF6-20; NCF6-02	10	AC-15: 360VA
	NCF6-11; NCF6-40		DC-13; 33W
	NCF6-31; NCF6-22 NCF6-13; NCF6-04		
NC6-09	NCF6-20; NCF6-02	10	AC-15: 360VA
	NCF6-11; NCF6-40		DC-13: 33W
	NCF6-31; NCF6-22		
	NCF6-13; NCF6-04		

5.2 Assembly with thermal over-load relay

Model of contactor	Assembled thermal over-load relay			
	Model	Rated current (A)	Recommended fuse type	
			aM	gG
 NC6-09	 NR2-11.5	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

6. Overall and mounting dimensions



→ NC6 AC contactor

★ NC6, 6A, main 3N/O+Aux 1N/C (01)

Control voltage (V)	Order code			CTN
	50Hz	60Hz	50/60Hz	
24	247001	247012	247023	100
36	247002	247013	247024	100
48	247003	247014	247025	100
110	247004	247015	247026	100
127	247005	247016	247027	100
220	247006	247017	247028	100
230	247007	247018	247029	100
240	247008	247019	247030	100
380	247009	247020	247031	100
400	247010	247021	247032	100
415	247011	247022	247033	100

★ NC6, 6A, main 2N/O+2N/C (08)

Control voltage (V)	Order code			CTN
	50Hz	60Hz	50/60Hz	
24	247067	247078	247089	100
36	247068	247079	247090	100
48	247069	247080	247091	100
110	247070	247081	247092	100
127	247071	247082	247093	100
220	247072	247083	247094	100
230	247073	247084	247095	100
240	247074	247085	247096	100
380	247075	247086	247097	100
400	247076	247087	247098	100
415	247077	247088	247099	100

★ NC6, 6A, main 4N/O (04)

Control voltage (V)	Order code			CTN
	50Hz	60Hz	50/60Hz	
24	247034	247045	247056	100
36	247035	247046	247057	100
48	247036	247047	247058	100
110	247037	247048	247059	100
127	247038	247049	247060	100
220	247039	247050	247061	100
230	247040	247051	247062	100
240	247041	247052	247063	100
380	247042	247053	247064	100
400	247043	247054	247065	100
415	247044	247055	247066	100

★ NC6, 6A, main 3N/O+Aux 1N/O (10)

Control voltage (V)	Order code			CTN
	50Hz	60Hz	50/60Hz	
24	247100	247111	247122	100
36	247101	247112	247123	100
48	247102	247113	247124	100
110	247103	247114	247125	100
127	247104	247115	247126	100
220	247105	247116	247127	100
230	247106	247117	247128	100
240	247107	247118	247129	100
380	247108	247119	247130	100
400	247109	247120	247131	100
415	247110	247121	247132	100

★ NC6, 9A, main 3N/O+Aux 1N/C (01)

Control voltage (V)	Order code			CTN
	50Hz	60Hz	50/60Hz	
24	247133	247144	247155	100
36	247134	247145	247156	100
48	247135	247146	247157	100
110	247136	247147	247158	100
127	247137	247148	247159	100
220	247138	247149	247160	100
230	247139	247150	247161	100
240	247140	247151	247162	100
380	247141	247152	247163	100
400	247142	247153	247164	100
415	247143	247154	247165	100

★ NC6, 9A, main 2N/O+2N/C (08)

Control voltage (V)	Order code			CTN
	50Hz	60Hz	50/60Hz	
24	247199	247210	247221	100
36	247200	247211	247222	100
48	247201	247212	247223	100
110	247202	247213	247224	100
127	247203	247214	247225	100
220	247204	247215	247226	100
230	247205	247216	247227	100
240	247206	247217	247228	100
380	247207	247218	247229	100
400	247208	247219	247230	100
415	247209	247220	247231	100

★ NC6, 9A, main 4N/O (04)

Control voltage (V)	Order code			CTN
	50Hz	60Hz	50/60Hz	
24	247166	247177	247188	100
36	247167	247178	247189	100
48	247168	247179	247190	100
110	247169	247180	247191	100
127	247170	247181	247192	100
220	247171	247182	247193	100
230	247172	247183	247194	100
240	247173	247184	247195	100
380	247174	247185	247196	100
400	247175	247186	247197	100
415	247176	247187	247198	100

★ NC6, 9A, main 3N/O+Aux 1N/O (10)

Control voltage (V)	Order code			CTN
	50Hz	60Hz	50/60Hz	
24	247232	247243	247254	100
36	247233	247244	247255	100
48	247234	247245	247256	100
110	247235	247246	247257	100
127	247236	247247	247258	100
220	247237	247248	247259	100
230	247238	247249	247260	100
240	247239	247250	247261	100
380	247240	247251	247262	100
400	247241	247252	247263	100
415	247242	247253	247264	100