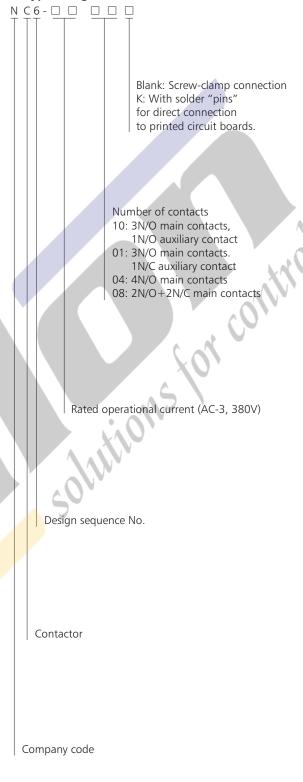
2. Type designation



# NC6 Contactor, 6~9A

#### 1. General

- 1.1 Certificates: CE, VDE, UKrSEPRO, GOST, UL;
- 1.2 Electric ratings: AC50/60Hz, up to 690V, up to 9A;
- 1.3 Application: remotely makes and breaks circuit, protect circuit from overload assembling with proper thermal relay;
- 1.4 Utilization category: AC-1, AC-3, AC-4;
- 1.5 Ambient temperature:  $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$ ;
- 1.6 Altitude: ≤2000m;
- 1.7 Mounting category: III
- 1.8 Mounting conditions: inclination between mounting plane and vertical plane not exceed  $\pm 30^{\circ}$
- 1.9 Standard: IEC/EN 60947-4-1















#### 3. Technical data

3.1 Contactor

★ 3P contactor AC coil operation

Items Model			NC6-06	NC6-06-K	NC6-09	NC6-09-K
Rated cinventional heating current (A)	AC-1		2	0	2	0
Rated operational	AC-3/AC-4	380/400V	6	5	9	9
current (A)		660/690V	3	8		5
	kW (AC-3)	220/230V	1	5	2	.2
		380/400V	2	2	4	4
Power of motor		660/690V			4	4
Tower of filotor	hp	240V				2
		400V				3
		600V				3
0	Electrical	AC-3	1,2	00	1,2	200
Operating cycles (operations/h)		AC-4	30	00	30	00
(орегинопъ/п/	Mechanical		3,6	00	3,600	
Electrical life ( > 10 <sup>3</sup> an	orations)	AC-3	1,2	00	1,200	
Electrical life (×10³ operations)		AC-4	2	5	25	
Mechanical life (×10 <sup>6</sup> operations)		1	0	10		
Matching fuse model		RT1	5-16	RT16-20		

#### ★ 4P contactor AC operation

Items Model			NC6-06	NC6-09	
			(1 0 12 )   (2 0 1 )		
	AC-1		20	20	
Rated operational current (A)		380/400V	6	9	
content (/ ly	AC-3/AC-4	660/690V	3.8	5	
	kW (AC-3)	220V/230V/240V	1.5	2.2	
		380/400V	2.2	4	
Power of motor		660/690V	3	4	
Power of motor	hp	240V	-	2	
		400V	-	3	
		600V	-	3	
Operating cycles	Electrical	AC-3	1,200	1,200	
Operating cycles (operations/h)		AC-4	300	300	
	Mechanical		3,600	3,600	
Electrical life (×10 <sup>3</sup> on	AC-3		1,200	1,200	
Electrical life (×10³ operations)		AC-4	25	25	
Mechanical life (×10 <sup>6</sup> 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 AC)		24, 36, 48, 110, 127, 220, 230, 380, 400		
Coil power (VA)	In-rush	30	30	
	Sealed	4.5	4.5	

# CHNT

#### 4. Terminal connection

Model	Number of piece	Conductor (mm²)	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

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

# 5.2 Assembly with thermal over-load relay

	Assembled thermal over-load relay				
Model of contactor		Patril source (A)	Recommended fuse type		
	Model	Rated current (A)	aM	gG	
	NR2-11.5	0.1~0.16	0.25	2	
		0.16~0.25	0.5	2	
		0.25 <mark>~0.4</mark>	1	2	
TL: 313 513 3360 A1		0.4~0.63	1	2	
		0.63~1	2	4	
CHNT II		1~1.6	2	4	
NC6-09		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 (mm)

