



YCC7

AC CONTACTOR

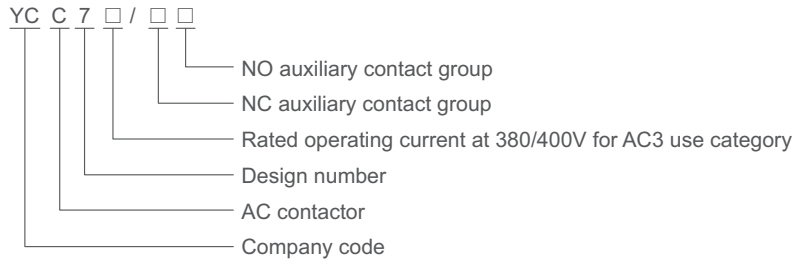
- Unique terminal guard design
- Expanded 1 set of A1/A2 terminals
- Standard with 1 on 1 off dual auxiliary function
- Coils are suitable for larger voltage fluctuation



▼ **Product overview**

YCC7 series AC contactor has a novel appearance and compact structure. It is mainly used for frequently starting and controlling AC motors, remotely connecting and disconnecting circuits, and it can be combined with an appropriate thermal overload relay to form an electromagnetic starter.

▼ **Product model and meaning**



▼ **Normal working condition**

1. When the maximum temperature is +70°C, the relative humidity of the air does not exceed 5%. Higher relative humidity can be allowed at lower temperatures.
2. If 90% at +20°C, special measures should be taken for condensation that occasionally occurs due to humidity changes.
3. The limit operating temperature: -35°C~+70°C, the normal operating temperature: -5°C~+40°C, and the average value does not exceed +35°C within 24 hours. The elevation of the installation site does not exceed 2000m.
4. The installation category: III.
5. Pollution class: 3.
6. The protection class of YCC7-06-38: IP20; YCC7-40-95: IP10.
7. The inclination between the mounting surface and the vertical plane shall not be greater than ±5°.
8. The product shall be installed and used in a place without significant shaking, shock and vibration

▼ **Main technical parameters**

Rated working voltage	220V~690V
Rated working current	6~95A
Rated insulation voltage	690V
Pole	3P
Mounting method	Clamp rail and screw mounting
Standard	IEC 60947-4-1
Certification	CE

▼ **Main technical parameters**

Product specifications		06	09	12	18	25	32	38	40	50	65	80	95
Main circuit characteristic													
Pole		3P											
Rated insulation voltage Ui(V)		690											
Rated working voltage Ue(V)		380/400, 660/690											
Conventional thermal current(Ith), AC-1 Rated working current		20	20	25	32	40	50	50	60	80	80	125	125
Rated working current Ie(A)	AC-3, 220/230V	6	9	12	18	25	32	38	40	50	65	80	95
	AC-3, 380/400V	6	9	12	18	25	32	38	40	50	65	80	95
	AC-3, 660/690V	3.8	6.6	8.9	12	18	22	22	34	39	42	49	49
	AC-4, 220/230V	6	9	12	18	25	32	38	40	50	65	80	95
	AC-4, 380/400V	6	9	12	18	25	32	38	40	50	65	80	95
	AC-4, 660/690V	3.8	6.6	8.9	12	18	22	22	34	39	42	49	49
Rated working power Pe(kW)	AC-3, 220/230V	1.5	2.2	3	4	5.5	7.5	9	11	15	18.5	22	25
	AC-3, 380/400V	2.2	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
	AC-3, 660/690V	3	5.5	7.5	10	15	18.5	18.5	30	37	37	45	45
Mechanical life (×10 ⁴ times)		1200				1000			900			650	
Electrical life (×10 ⁴ times)	AC-3	120						100			80		
	AC-4	20						15			10		
Operation frequency (times/hour)	AC-3	1200					600						
	AC-4	300											
Model with fuse		RT16	20		32	40	50		63	80		100	125

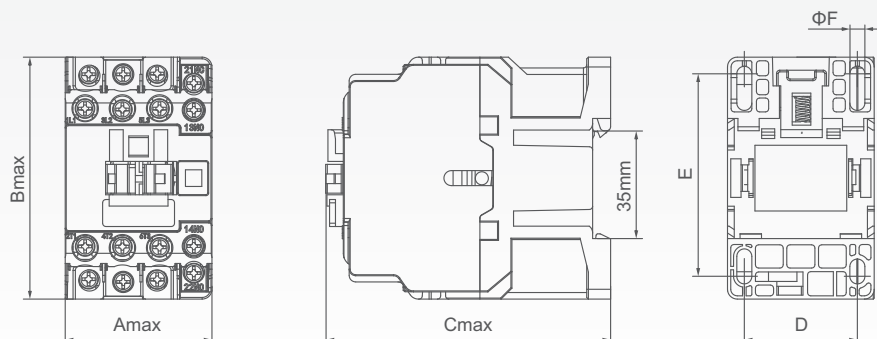
Main loop terminal connection capability						
Flexible wire (mm ²)	1 wire	1~4	1.5~6	1.5~10	6~25	10~50
Without terminal (mm ²)	2 wires	1~4	1.5~6	1.5~10	4~16	6~25
Flexible wire (mm ²)	1 wire	1~4	1.5~6	1.5~10	6~25	10~50
With terminal (mm ²)	2 wires	1~2.5	1.5~4	1.5~6	4~10	6~25
Hard wire	1 wire	1~4	1.5~6	1.5~6	6~25	10~50
Without terminal (mm ²)	2 wires	1~4	1.5~6	1.5~6	4~10	6~25
Tightening torque	N·m	0.8	0.8	1.2	5	8

Coil			
Rated control circuit voltage Us(V)	50Hz	24, 36, 48, 110, 127, 220, 380, 415	
	50/60Hz	24, 36, 48, 110, 127, 220, 380, 415	
Allow control Loop voltage Us(V)	working	Installation inclination angle is ±22.5°: 85%~110%Us; Installation inclination angle is ±5°: 70%~120%	
	release	Installation inclination angle is ±22.5°: 20%~75%Us; Installation inclination angle is ±5°: 20%~65%	
Coil power consumption	pull-in(VA)	40~60	50~70
	hold(VA)	9.5	11.4
	power consumption(W)	1~3	1~3

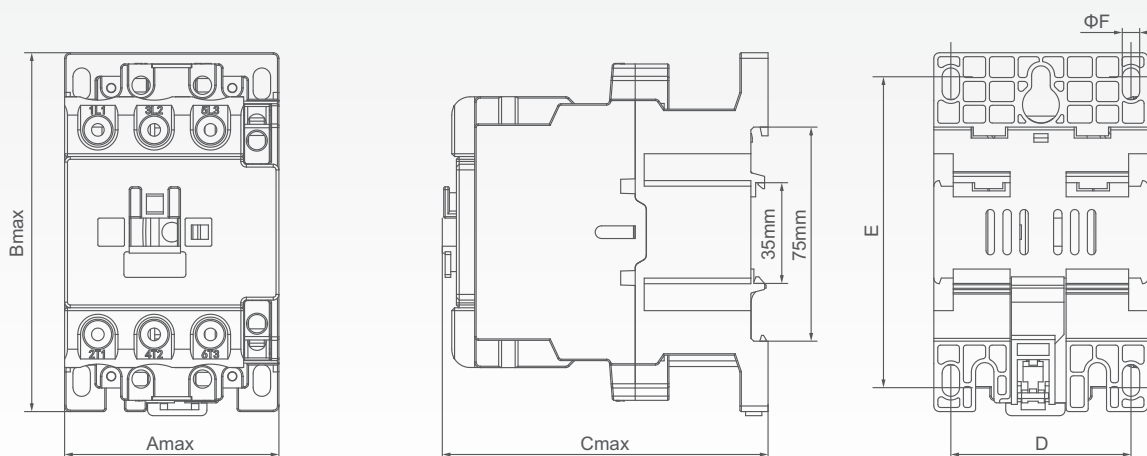
Auxiliary contact	
Contact specification	1NO 1NC
Conventional thermal current Ith(A)	10
Rated insulation voltage(V)	690
Rated operating voltage under corresponding use category	AC-15 AC380V/400V/1.5A
Rated working current(A)	DC-13 DC220V/0.3A

▼ Overall and mounting dimensions(mm)

YCC7-06~38



YCC7-40~95



Model	Amax	Bmax	Cmax	D	E	F
YCC7-06, 09, 12, 18	45.5	75	88	35	48	Φ4.5
YCC7-25, 32, 38	56.5	87	93	40	48	Φ4.5
YCC7-40, 50, 65	77	129	118	40	100	Φ6.5
YCC7-80, 95	87	132	127	40	100	Φ6.5

▼ Order instruction

1. When ordering, must indicate:
2. AC contactor complete model and name; The rated working voltage and frequency of the coil or the specification code; Normally open, normally closed auxiliary contact combination; Order quantity;
3. Order example: YCC7-95/11 coil voltage 380/400V 50Hz 100pcs.