

Motor Control & Protection

YCC7 4P Contactor



General

The YCC7 4P series contactor has four main contacts, which can control two independent load circuits or perform on-off control on three-phase four wire circuits. In the case of a three-phase four wire system, both the phase and neutral wires need to be cut off when the power is cut off.

Features

1. Rated working current: 9-95A,
2. Rated working voltage: 220V to 690V;
3. Rated insulation voltage: 690V;
4. Number of poles: 4P (Model +04 is a four normally open product with the corresponding current rating while Model +08 is a two normally open and two normally closed product with the same rating).
Motor Control & Protection
5. Installation method: rail and screw

Operating condition

1. Ambient temperature: -5°C~+40°C
2. Relative humidity: ≤20% at 40°C; ≤90% at 20°C
3. Altitude: ≤2000m
4. Environmental conditions: no harmful gases and vapors, no conductive or explosive dust, no severe mechanical vibration

Type designation

Company code	Design Serial Number	Current	Polar number	Voltage	Frequency
YC	C7	- 09	004	220V	50/60Hz
Miniature circuit breaker	Design Serial Number	09:9A 12:12A 18:18A 25:25A 32:32A 40:40A 50:50A 65:65A 80:80A 95:95A	004:Main contact 4P 4NO 008:Main contact 4P 2NO/2NC	220V:220V 380V:380V 220V:220V 24V:24V 36V:36V 48V:48V 110V:110V 240V:240V 415V:415V	50Hz:50Hz 60Hz:60Hz 50/60Hz:50/60Hz

Motor Control & Protection

YCC7 4P Contactor

Technical data

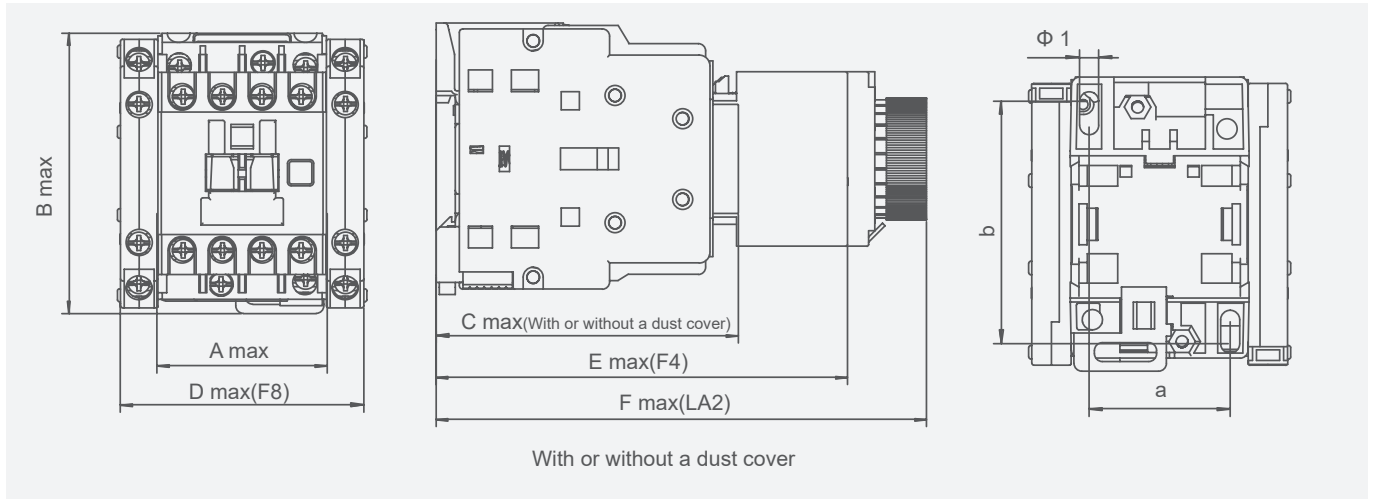
Model (4P)			YCC7-09	YCC7-12	YCC7-18	YCC7-25	YCC7-32	YCC7-38	YCC7-40	YCC7-50	YCC7-65	YCC7-80	YCC7-95	
characteristics of main circuit														
number of poles			4P											
Rated insulation voltage (Ui)		V	690											
Rated operating voltage (Ue)		V	380/400, 660/690											
Agreed heating current (Ith), rated operating current of AC-1			20	25	32	40	50	50	60	80	80	100	125	
Rated work- ing current (Ie)	AC-3,380/400V	A	9	12	18	25	32	38	40	50	65	80	95	
	AC-3,660/690V	A	6.6	8.9	12	18	22	22	34	39	42	49	49	
	AC-4,380/400V	A	3.5	5	7.7	8.5	12	14	18.5	24	28	37	44	
	AC-4,660/690V	A	1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3	
Rated work- ing power (Pe)	AC-3,380/400V	kW	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45	
	AC-3,660/690V	kW	5.5	7.5	10	15	18.5	18.5	30	37	37	45	45	
	AC-4,380/400V	kW	1.5	2.2	3.3	4	5.4	5.5	7.5	11	15	18.5	22	
	AC-4,660/690V	kW	1.1	1.5	3	3.7	5.5	6	7.5	10	11	15	18.5	
mechanical life		10,000 times	1200				1000			900			650	
electric life	AC-3	10,000 times	110				90					65		
	AC-4	10,000 times	22				17					11		
operation frequency	AC-3	Times per hour	1200				600							
	AC-4	Times per hour	300				300							
Main circuit terminal wiring capacity														
Flexible wire	1 wire	mm ²	1...4				1.5...6			6...25			10...50	
With terminal	2 wires	mm ²	1...2.5				1.5...4			4...10			6...25	
Rigid line	1 wire	mm ²	1...4				1.5...6			6...25			10...50	
Without terminal blocks	2 wires	mm ²	1...4				1.5...6			4...10			6...25	
Tightening torque	N·m		1.2				1.8			6			9	
Coil														
Rated control circuit voltage (Us)	50Hz	V	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440											
	50/60Hz	V	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440											
Enable control loop voltage (Us)	Operation	V	09-38,:70%~120%						40-95,:90%~120%					
	Releas	V	09-38,:20%~65%						40-95,:20%~85%					
Coil power dissipation	Pull-in	VA	60				70			200			200	
	Holding	VA	≤9.0				≤14			≤25			≤25	

Motor Control & Protection

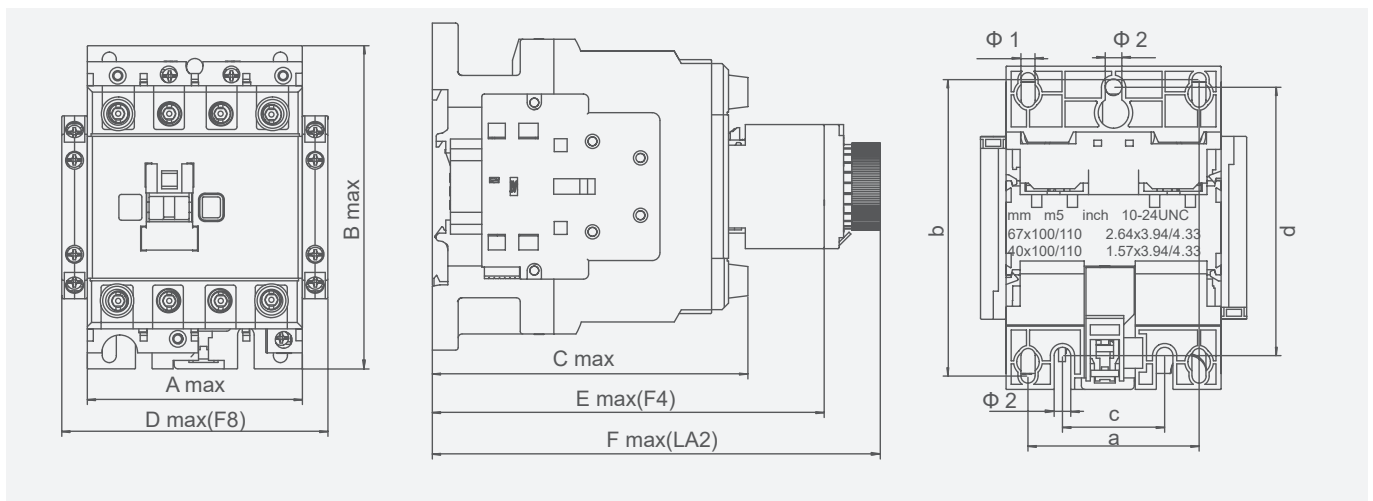
YCC7 4P Contactor

Overall and mounting dimensions(mm)

YCC7-09~38(4P)



YCC7-40~95(4P)



Model	Amax	Bmax	Cmax	Dmax	Emax	Fmax	a	b	c	d	Φ 1	Φ 2
YCC7-09, 12, 18(4P)	47	76	84	67	115	136	34/36	48.5/61.5	-	-	4.8	-
YCC7-25, 32, 38(4P)	58	83	96	77	127	149	39/40	46/70	-	-	5	-
YCC7-40,50,65 (4P)	04	128	122	106	153	175	67	116	40	105	5.5	6.5
	08		124									
YCC7-80, 95(4P)	04	129	127	118	158	179	68	115	40.5	107.5	5.5	6.5
	08		137									