

# LC1 AC Contactor

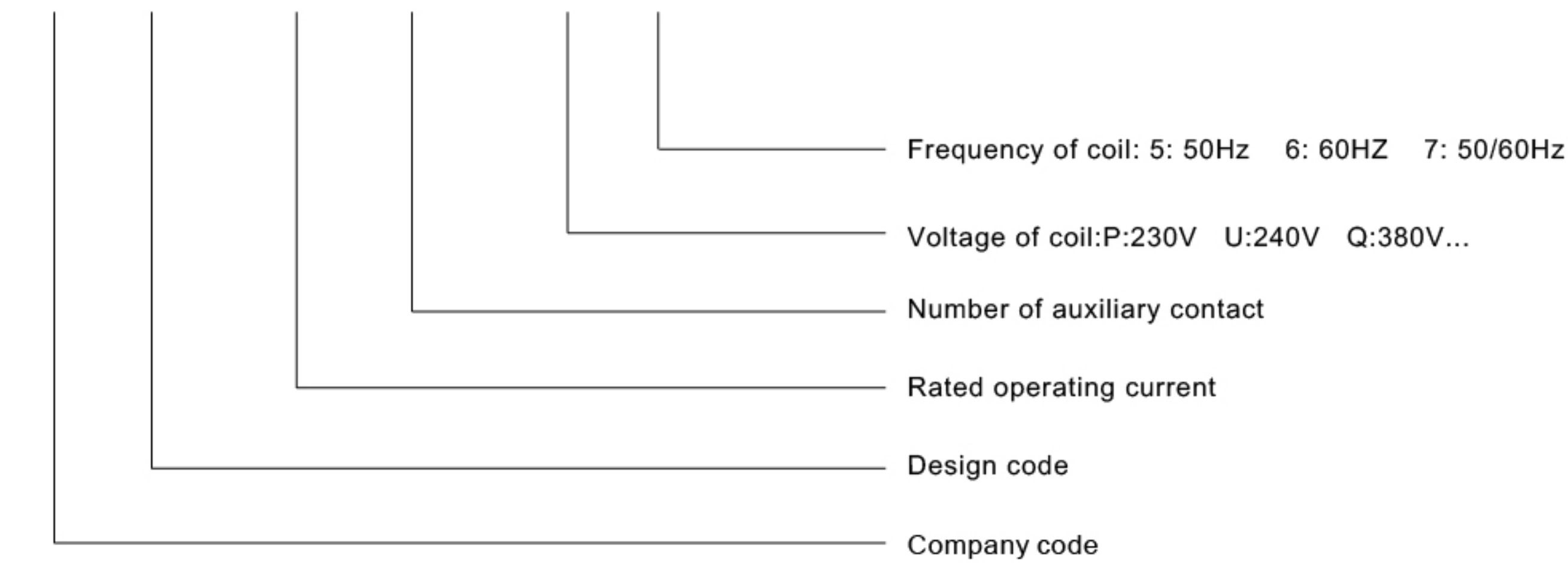


## Function

LC1 AC Contactor is suitable for using in the circuits of AC 50Hz or 60Hz, rated insulating voltage 660V, rated operating voltage up to 690V, rated operating voltage 380/400V in AC-3 type, rated operating current up to 95A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & mechanical interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, stardelta starter. With the thermal relay, it is combined into the electromagnetic starter. The contactor is produced according to IEC60947-4. The product is SEMKO certified.

## Nomenclature

LC 1 - 09 10 / P 5



## Code of Coil

Coil voltage Us(V)	24	36	48	110	127	220	230	240	380	415	440	480	500	600	660
50Hz	B5	C5	E5	F5	G5	M5	P5	U5	Q5	N5	R5	-	S5	-	Y5
60Hz	B6	-	E6	F6	G6	M6	P6	U6	Q6	N6	R6	T6	-	S6	-
50/60Hz	B7	-	E7	F7	-	M7	P7	-	Q7	N7	R7	-	-	-	-

## Specification of Coil

Type	LC1-09	LC1-12	LC1-18	LC1-25	LC1-32	LC1-40	LC1-50	LC1-65	LC1-80	LC1-95
Coil power	Pick-up (VA)	70	70	70	110	110	200	200	200	200
	Holding (VA)	8	8	8	11	11	20	20	20	20
	Power (W)	1.8~2.8	1.8~2.8	1.8~2.8	3~4	3~4	6~10	6~10	6~10	6~10

## Technical Data

Type	LC1-09	LC1-12	LC1-18	LC1-25	LC1-32	LC1-40	LC1-50	LC1-65	LC1-80	LC1-95											
Rated working current(Ie)	380V	AC-3	9	12	18	25	32	40	50	65	80	95									
		AC-4	3.5	5	7.7	8.5	12	18.5	24	28	37	44									
	660V	AC-3	6.6	8.9	12	18	21	34	39	42	49	55									
		AC-4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3									
Rated insulating voltage (Ui) V		660	660	660	660	660	660	660	660	660	660										
Conventional heating current (Ith)A		20	20	32	40	50	60	80	80	125	125										
Controllable 3-phase squirrel-cage motor power(AC-3)kW	220V	2.2	3	4	5.5	7.5	11	15	18.5	22	25										
	380V	4	5.5	7.5	11	15	18.5	22	30	37	45										
	660V	5.5	7.5	9	15	18.5	30	33	37	45	45										
AC-3	Electrical life (10 <sup>4</sup> )times	100	100	100	100	80	80	80	80	60	60										
	Operation frequency (times/h)	1200	1200	1200	1200	600	600	600	600	600	600										
AC-4	Electrical life (10 <sup>4</sup> )times	20	20	20	20	15	15	15	15	10	10										
	Operation frequency (times/h)	300	300	300	300	300	300	300	300	300	300										
Mechanical life (10 <sup>4</sup> ) times		1000	1000	1000	1000	800	800	800	800	600	600										
Auxiliary contact	Conventional heating current (Ith)A	10																			
	Rated working voltage (Ue)V	AC 380 DC 220																			
	Rated control capacity	360VA(AC-15) of 33W(DC-13)																			
	Electrical life(10 <sup>4</sup> ) times	100																			
	Mechanical life (10 <sup>4</sup> ) times	1000																			
Coil	Minimum load of making	6V 10mA																			
	Rated control voltage (Us)V	24,36,48,110,127,220,240,380,400 (see below the specifications of coil)																			
	Operate voltage V	85%~110%Us																			
	Release voltage V	20%~75%Us																			
	Operate VA	70	70	70	110	110	200	200	200	200	200										
	Holding VA	8	8	8	11	11	20	20	20	20	20										
	Power W	1.8~2.8	1.8~2.8	1.8~2.8	3~4	3~4	6~10	6~10	6~10	6~10	6~10										
Matched fuse type and current	RT16-20	RT16-20	RT16-32	RT16-40	RT16-50	RT16-63	RT16-80	RT16-80	RT16-100	RT16-125											
Cable connected	Number of cable	1	2	1	2	1	2	1	2	1	2	1	2	1	2						
		with terminal	Soft cable	2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10	16	16	25	25	50	25
mm <sup>2</sup>	Solid cable	4	4	4	4	6	6	6	6	10	10	16	-	25	-	25	-	50	-	50	-







### Order Note

Following information needed be marked when order	Ordering sample
Product name and model	To order LC1 AC Contactor, rated current 25A, No. of NO auxiliary
Rated current	contact is 1, voltage of coil is 230V, 50/60 Hz, quantity is 1000 pieces,
NO. of NO/NC auxiliary contact	should be marked:
Voltage of coil	AC contactor LC1-2510P7 1000pcs
Frequency of coil	