

LC1-D Series AC Contactor



1. Application

LC1-D series AC Contactor is suitable for using in the circuits up to the rated voltage 660V AC 50Hz or 60Hz, rated current up to 620A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & machine-interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, star-delta starter. With the thermal relay, it is combined into the electromagnetic starter. The product conforms to IEC60947-4-1 standard.

2. Specification

Type		LC1 –D09	LC1– D12	LC1– D18	LC1– D25	LC1– D32	LC1– D40	LC1– D50	LC1– D65	LC1– D80	LC1– D95
Rated working current (A)	AC3	9	12	18	25	32	40	50	65	80	95
	AC4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
Standard power ratings of 3–phase motors 50/60Hz in category AC–3	220/230V	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380/400V	4	5.5	7.5	11	15	18.5	22	30	37	45
	415V	4	5.5	9	11	15	22	25	37	45	45
	500V	5.5	7.5	10	15	18.5	22	30	37	55	55
	660/690V	5.5	7.5	10	15	18.5	30	33	37	45	55
Rated heat current (A)		20	20	32	40	50	60	80	80	125	125
Electrical life	AC3 (x10 ⁴)	100	100	100	100	80	80	60	60	60	60
	AC4 (x10 ⁴)	20	20	20	20	20	15	15	15	10	10
Mechanical life (x10 ⁴)		1000	1000	1000	1000	800	800	800	800	600	600
Number of the contacts		3P+NO					3P+NC+NO				
		3P+NC									

Type		LC1-D115	LC1-D150	LC1-D170	LC1-D205	LC1-D245	LC1-D300	LC1-D410	LC1-D475	LC1-D620
Rated working current (A)	AC3	115	150	170	205	245	300	410	475	620
	AC4	52	60	75	85	105	117	138	147	180
Standard power ratings of 3-phase motors	220/230V	30	40	55	63	75	100	110	147	200
	380/400V	55	75	90	110	132	160	220	265	335
	415V	59	80	100	110	132	180	220	280	375
50/60Hz in category AC-3	500V	75	90	110	129	160	200	250	355	400
	660/690V	80	100	110	129	160	220	280	355	450
Rated heat current (A)		200	250	250	275	315	400	500	700	1000
Electrical life	AC3 (x10 ⁴)	200	60	60	50	50	50	30	30	20
	AC4 (x10 ⁴)	15	15	15	15	15	15	8	8	5
Mechanical life (x10 ⁴)		300	300	300	300	300	300	100	100	100