

LC1-D New AC Contactor



General

LC1-D New type series AC contactor is suitable for frequency 50/60Hz, rated insulation voltage up to 1000V, rated operation current 9-95A under AC-3 duty. It's mainly used for making/breaking electric circuits at long distance & for frequent starting/stopping & controlling AC motors. It's used in combination with thermal relay to compose a magnetic motor starter. The products comply with IEC60947-4-1 standard.

Coil voltage of contactor and code of it

Coil voltage Us(V)	24	36	42	48	110	220	230	240	380	400	415	440	600
50Hz	B5	C5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	X5
60Hz	B6	C6	D6	E6	F6	M6	P6	U6	Q6	V6	N6	R6	X6
50/60Hz	B7	C7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7	X7

Specifications

Type		D09	D12	D18	D25	D32	D40	D50	D65	D80	D95	
Rated insulation voltage (Ui)	V	690					1000					
Rated thermal current (Ith)	A	25	25	32	40	50	60	80	80	125	125	
Rated working current (Ie) AC-3 Ue≤440V	A	9	12	18	25	32	40	50	65	80	95	
Rated operational power (Pe)	AC-3, 220/230V	kW	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	AC-3, 380/400V	kW	4	5.5	7.5	11	15	18.5	22	30	37	45
	AC-3, 415/440V	kW	4	5.5	9	11	15	22	25/30	37	45	45
	AC-3, 500V	kW	5.5	7.5	10	15	18.5	22	30	37	55	55
	AC-3, 660/690V	kW	5.5	7.5	10	15	18.5	30	33	37	45	45
Rated operational power (Pe)	AC-4, 220/230V	kW	1.5	1.5	2.2	3	4	4	5.5	7.5	7.5	9
	AC-4, 380/400V	kW	2.2	3.7	4	5.5	7.5	9	11	11	15	15
	AC-4, 415/440V	kW	2.2	3	3.7	5.5	7.5	9/11	11	11/15	15	15
	AC-4, 500V	kW	3	4	5.5	7.5	9	11	15	18.5	22	22
	AC-4, 660/690V	kW	4	5.5	7.5	10	11	15	18.5	22	25	25
Frequency of operation (I/h)		1200				1000				750		
Electrical life	AC-3	10000 t	100			80		60				
	AC-4	10000 t	20				15			10		
Mechanical life	10000 t	1500					600			400		
Operating voltage range of coil		Close voltage: (85%~110%)Us					Open voltage: (20%~75%)Us					
Power consumption of coil	Attracting	VA	7				20					
	Starting	VA	70				200					
Rated insulation voltage of auxiliary contacts (V)		690										
Conventional thermal current of auxiliary contacts (A)		10										
Auxiliary contacts specification		AC-15: 360VA					DC-13: 33W					