

## LC1-ND Series AC Contactors

### Application

LC1-ND series AC contactor is suitable for frequency 50/60Hz, rated insulation voltage up to 1000V, rated operation current 9~150A under AC-3 duty. It is mainly used for making/breaking electric circuits at a long distance & for frequent starting/stopping & controlling AC Motors. It is used in combination with thermal relay to compose a magnetic motor starter. The products comply with IEC60947-4-1 standard.



LC1-ND09  
LC1-ND12



LC1-ND18



LC1-ND25  
LC1-ND32



LC1-ND40  
LC1-ND65

### Specification

Type	LC1							
	ND09	ND12	ND18	ND25	ND32	ND38	ND40	
Rated working current Ie (A) AC-3 Ue ≤ 440V	9	12	18	25	32	38	40	
Rated hear current Ith (A)	25	25	32	40	50	50	60	
Rated insulation voltage Ui (V)	690	690	690	690	690	690	1000	
Rated operating voltage Ue (V) Max	690	690	690	690	690	690	1000	
Rated operational power in AC-3 Pe (KW)	220/230V	2.2	3	4	5.5	7.5	9	11
	380/400V	4	5.5	7.5	11	15	18.5	18.5
	415/440V	4	5.5	9	11	15	18.5	22
	500V	5.5	7.5	10	15	18.5	18.5	22
	660/690V	5.5	7.5	10	15	18.5	18.5	30
Rated operational power in AC-4 Pe (KW)	220/230V	1.5	1.5	2.2	3	4	4	4
	380/400V	2.2	3.7	4	5.5	7.5	7.5	9
	415/440V	2.2	3	3.7	5.5	7.5	7.5	9/11
	500V	3	4	5.5	7.5	9	9	11
	660/690V	4	5.5	7.5	10	11	11	15
Frequency of operation (l/h)		1200	1200	1200	1200	1000	1000	1000
Electrical endurance (× 10 <sup>4</sup> )	AC-3	100	100	100	100	80	80	80
	AC-4	20	20	20	20	20	20	15
Mechanical endurance (× 10 <sup>5</sup> )		15	15	15	15	15	15	6
Operating voltage range of coil	Close voltage:(0.85~1.1)Us			Open voltage:(20%~75%)Us				
Power consumption of coil (VA)	Attracting	7	7	7	7	7	7	20
	Starting	70	70	70	70	70	70	200
Rated insulation voltage of auxiliary contacts (V)	690	690	690	690	690	690	690	690
Conventional thermal current of auxiliary contacts (A)	10	10	10	10	10	10	10	10
Auxiliary contacts specification	AC-15:360VA			DC-13:33W				