



GLC1-DN12

1. Application

GLC1-DN series AC contactor is suitable for frequency 50/60Hz, rated insulation voltage up to 1000V, rated operation current 9~95 A 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.

2. Specification

Type	GLC1-DN09	GLC1-DN12	GLC1-DN18	GLC1-DN25	GLC1-DN32		
Rated working current Ie (A) AC-3 Ue ≤ 440V	9	12	18	25	32		
Rated heat current Ith (A)	25	25	32	40	50		
Rated insulation voltage Ui (V)	690	690	690	690	690		
Rated operating voltage Ue (V) Max	690	690	690	690	690		
Rated operational power in AC-3 Pe (kW)	220/230V	2.2	3	4	5.5	7.5	
	380/400V	4	5.5	7.5	11	15	
	415/440V	4	5.5	9	11	15	
	500V	5.5	7.5	10	15	18.5	
	660/690V	5.5	7.5	10	15	18.5	
Rated operational power in AC-4 Pe (kW)	220/230V	1.5	1.5	2.2	3	4	
	380/400V	2.2	3.7	4	5.5	7.5	
	415/440V	2.2	3	3.7	5.5	7.5	
	500V	3	4	5.5	7.5	9	
	660/690V	4	5.5	7.5	10	11	
Frequency of operation (l/h)	1200	1200	1200	1200	1000		
Electrical endurance (x10 ⁴)	AC-3	100	100	100	100	80	
	AC-4	20	20	20	20	20	
Mechanical endurance (x10 ⁶)	15	15	15	15	15		
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	20
	Starting	70	70	70	70	70	200
Rated insulation voltage of auxiliary contacts (V)	690	690	690	690	690	690	690
Conventional thermal current of auxiliary contacts (A)	10	10	10	10	10	10	10
Auxiliary contacts specification	AC-15:360VA			DC-13:33W			



GLC1-DN32

GLC1-DN Series AC Contactor



GLC1-DN40



GLC1-DN95

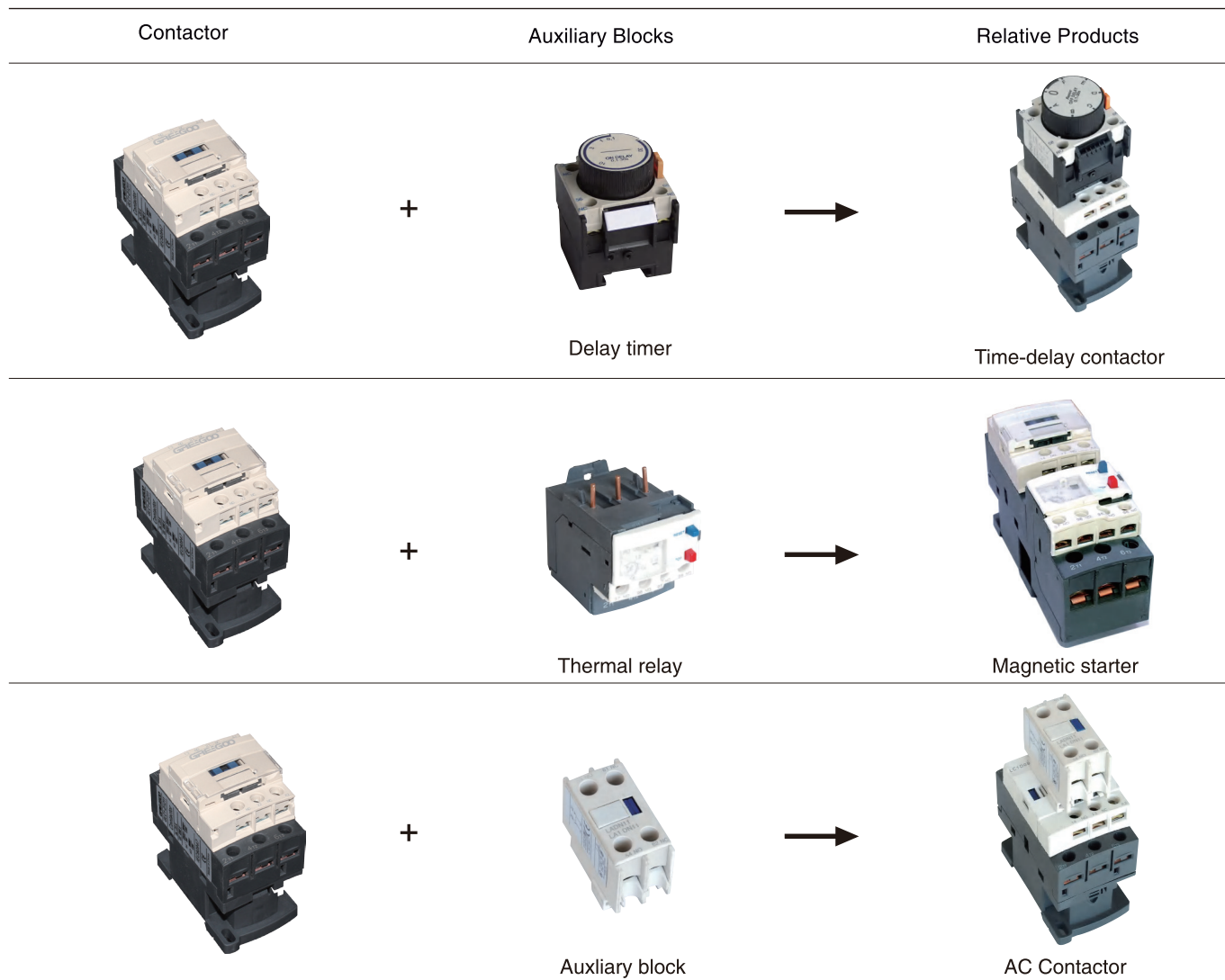
Type		GLC1-DN40	GLC1-DN50	GLC1-DN65	GLC1-DN80	GLC1-DN95	
Rated working current Ie (A) AC-3 Ue ≤ 440V		40	50	65	80	95	
Rated heat current Ith (A)		60	80	80	125	125	
Rated insulation voltage Ui (V)		1000	1000	1000	1000	1000	
Rated operating voltage Ue (V) Max		1000	1000	1000	1000	1000	
Rated operational power in AC-3 Pe (kW)	220/230V	11	15	18.5	22	25	
	380/400V	18.5	22	30	37	45	
	415/440V	22	25/30	37	45	45	
	500V	22	30	37	55	55	
	660/690V	30	33	37	45	45	
Rated operational power in AC-4 Pe (kW)	220/230V	4	5.5	7.5	7.5	9	
	380/400V	9	11	11	15	15	
	415/440V	9/11	11	11/15	15	15	
	500V	11	15	18.5	22	22	
	660/690V	15	18.5	22	25	25	
Frequency of operation (I/h)		1000	1000	1000	750	750	
Electrical endurance (x10 ⁴)	AC-3	80	60	60	60	60	
	AC-4	15	15	15	10	10	
Mechanical endurance (x10 ⁶)		6	6	6	4	4	
Operating voltage range of coil		Close voltage:(0.85~1.1)Us			Open voltage:(20%~75%)Us		
Power consumption of coil (VA)	Attracting	20	20	20	20	22	22
	Starting	200	200	200	200	300	300
Rated insulation voltage of auxiliary contacts (V)	690	690	690	690	690	690	
Conventional thermal current of auxiliary contacts (A)	10	10	10	10	10	10	
Auxiliary contacts specification		AC-15:360VA				DC-13:33W	

3. Standard Control Circuit Voltage

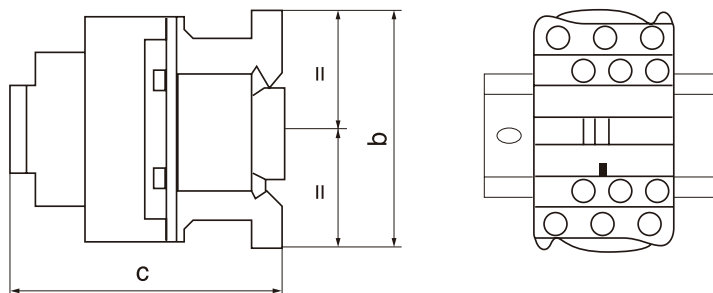
Volts	24	42	48	110	220	230	240	380	400	415	440	500	660
50Hz	B5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	S5	Y5
60Hz	B6	D6	E6	F6	M6	-	U6	Q6	-	-	R6		
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7		

4. Characteristic

Contactor and other auxiliary blocks.



5. Outline and Mounting Dimension (mm)



	09	12	18	25	32	38	40	50	65	80	95	115	150
b	76.6	76.6	76.6	76.6	76.6	76.6	127	127	127	127	127	158	158
c	87	87	87	94	94	94	116	116	116	123.8	123.8	132	132