

CONTACTOR - 3 POLE (AC)



JG-0910/01



JG-1210/01



JG-1810/01



JG-2510/01



JG-3210/01



JG-5011

with moulded coil



JG-8011

with moulded coil



JG-9511

with moulded coil

Application

JG-JiGO series AC contactors are used in AC circuits up to the rated voltage 660V AC 50Hz or 60Hz rated current 95A, to connect or disconnect and frequent start/stop/control the AC motor. They can be combined together with auxiliary contact group, air delayer, mechanical interlocking contactors and etc, to constitute delayer, reversible contactor or star-triangle starter. They can also be organized into electro magnetic starter by combining with the thermal relay.

Specification

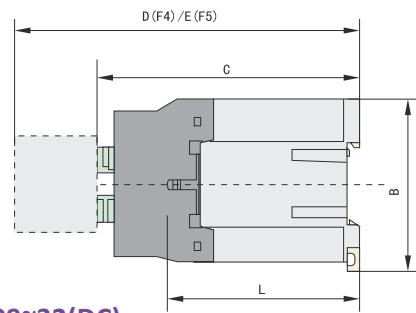
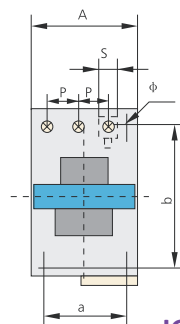
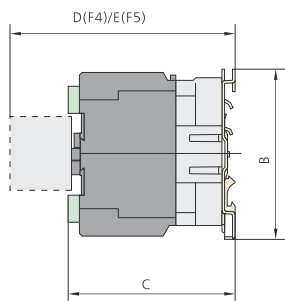
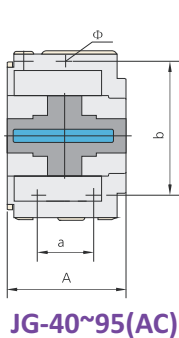
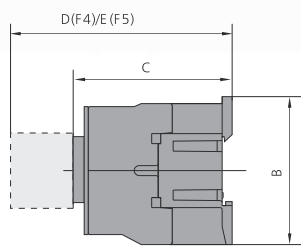
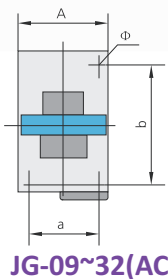
Type	JG0910 JG 0901	JG1210 JG1201	JG1810 JG1801	JG 2510 JG 2501	JG 3210 JG3201	JG 4011	JG 5011	JG 6511	JG 8011	JG 9511
Rated Insulation (V)	660	660	660	660	660	660	660	660	660	660
Conventional Thermal Current (A)	20	25	32	40	50	60	75	80	110	125
Rated operational current 380V/ac3	9	12	16	25	32	40	50	63	80	95
Controlled power (kw)	2.2	3	4	5.5		11	15	18.5	22	25
	4	5.5	7.5	11		18.5	22	30	37	45
	4	5.5	9	11		22	25	37	45	45
	4	5.5	9	11		22	30	37	45	45
	5.5	7.5	10	15		30	33	37	45	45
Install way	1. use 2 screws 2 use 35mm installation rail					1. use 3 screws 2. use 35mm or 75mm installation rail (with moulded coil)				

CONTACTOR - 3 POLE (DC)

DC VOLTAGE CONTACTOR

Items			Model	JG-DC0910	JG-DC1210	JG-DC1810	JG-DC2510	JG-DC3210
Frame				Frame 1	Frame 2	Frame 3	Frame 4	
Rated conventional heating current (A) AC-1				20	20	32	40	50
Rated operational current (A)	380/400V	AC-3	9	12	18	25	32	
		AC-4	3.5	5	7.7	8.5	12	
	660/690V	AC-3	6.6	8.9	12	18	21	
		AC-4	1.5	2	3.8	4.4	7.5	
Conventional heating current (A)				20	20	32	40	50
Rated insulation voltage (V AC)				690	690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	220/230V AC	2.2	3	4	5.5	7.5	
		380/400V AC	4	5.5	7.5	11	15	
		660/690V AC	5.5	7.5	10	15	18.5	
Operating frequency (operations/h)	Electrical	AC-3	1,200	1,200	1,200	1,200	600	
		AC-4	300	300	300	300	300	
	Mechanical		3,600	3,600	3,600	3,600	3,600	
Electrical life ($\times 10^3$ operations)	AC-3		1,000	1,000	1,000	1,000	800	
	AC-4		200	200	200	200	200	
Mechanical life ($\times 10^6$ operations)				10	10	10	10	8
Matched fuse type				RT16-20	RT16-20	RT16-32	RT16-40	RT16-50

DIMENSIONS



Model	A max	B max	C max	D max	E max	a	b	Φ	L	P	S
JG-09(DC)~12(DC)	47	76	86(116)	120.5(154.5)	140.5(174.5)	34/35	50/60	4.5	60(95)	10.5	8.6
JG-18(DC)	47	76	87(122)	125.5(160.5)	145.5(180.5)	34/35	50/60	4.5	61(96)	11.3	10.4
JG-25(DC)	57	86	95(131)	133.5(169.5)	153.5(189.5)	40	48	4.5	70(107)	13.2	11.7
JG-32(DC)	57	86	100(138)	138.5(176.5)	158.5(196.5)	40	48	4.5	71.6(120)	14.5	13
JG-4011~6511	77	129	116(173)	154.5(211.5)	174.5(231.5)	40	105	6.5	78(135)	20	8.6
JG-8011~9511	87	129	127(188)	165.5(226.5)	185.5(246.5)	40	105	6.5	83(140)	23.5	12

CONTACTOR - 3 POLE (AC)

JG2 SERIES - POWER CONTACTOR



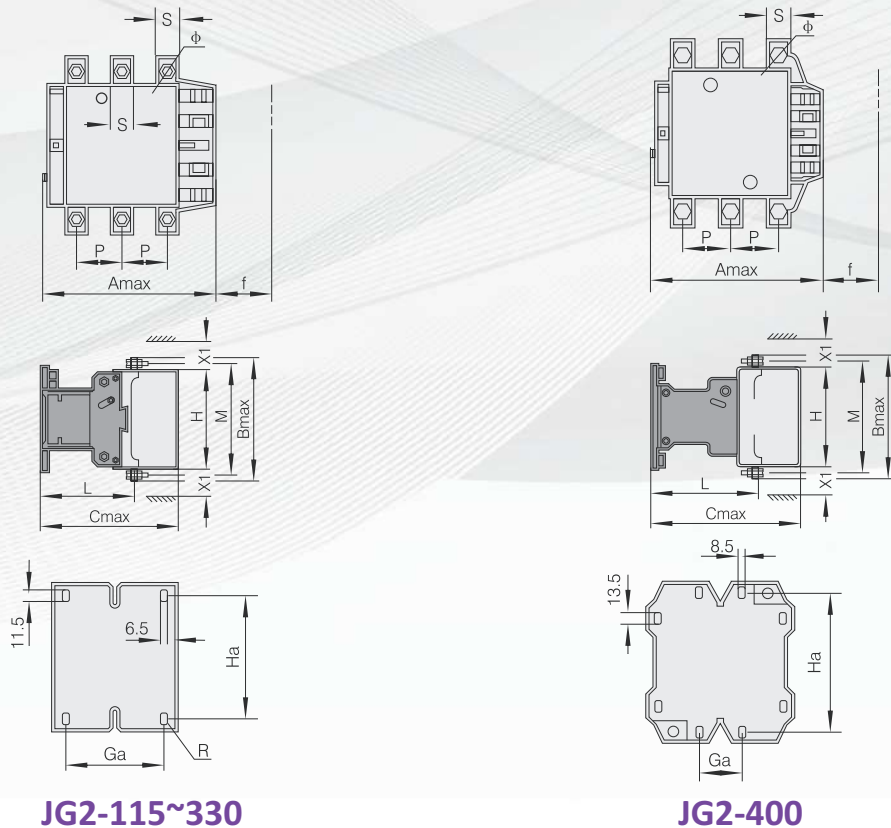
Structure features

- The contactor is composed of arc-extinguishing system, contact system, base frame and magnetic system (including iron core, coil)
- The Contact system of the contactor is of direct action type and double-breaking points allocation.
- The lower base-frame of the contactor is made of shapred aluminum alloy and the coil is of plastic enclosed structure.
- The coil is assembled with the armature to be an integrated one. They can be directly taken out from or inserted into contactor.
- It is convenient for user's service and maintenance.

Model			JG2-115	JG2-150	JG2-185	JG2-225	JG2-265	JG2-330	JG2-400
			FRAME 1		FRAME 2		FRAME 3	FRAME 4	FRAME 5
Rated Conventional heating current (A) AC-1			200	200	275	275	315	380	450
Rated operational current (A)	AC-3	380/400V AC	115	150	185	225	265	330	400
	AC-4	660/690V AC	86	108	118	137	170	235	303
Power of controlled 3-phase cage motor (AC-3)	kW	380/400V AC	55	75	90	110	132	160	200
		660/690V AC	80	100	110	129	160	220	280
	hp	240V AC	40	50	60	75	100	125	150
		415V AC	60	75	100	125	150	150	200
		480V AC	75	100	100	125	150	200	250
		600V AC	75	100	100	125	150	200	300
Operating cycles (operations /h) AC-3			1,200	1,200	600	600	600	600	600
Electrical life ($\times 10^6$ operations) AC-3			1.2	1.2	1	1	0.8	0.8	0.8
Mechanical life ($\times 10^6$ operations)			10	10	6	6	6	6	6

CONTACTOR - 3 POLE (AC)

JG2 SERIES - POWER CONTACTOR



JG2-115~330

JG2-400

Model	JG2-115	JG2-150	JG2-185	JG2-225	JG2-265	JG2-330	JG2-400
A	167	167	171	171	202	213	213
B	163	171	174	197	203	206	206
C	172	172	183	183	215	220	220
P	37	40	40	48	48	48	48
S	20	20	20	25	25	25	25
ϕ	M6	M8	M8	M10	M10	M10	M10
f	131	131	131	131	147	147	147
M	147	150	154	172	178	181	181
H	124	124	127	127	147	158	158
L	107	107	113.5	113.5	141	145	145
X1 200~500V	10	10	10	10	10	10	15
X1 660~1000V	15	15	15	15	15	15	20
Ga	80	80	80	80	96	96	80
Ha	110~120	110~120	110~120	110~120	110~120	110~120	170~180

Note: a. f is the min distance needed to mount and dismount the coil.

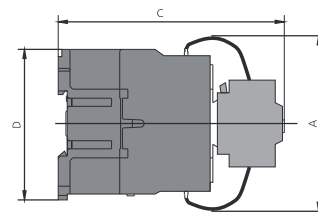
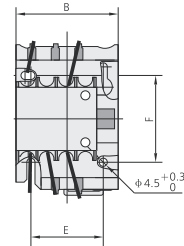
b. X1: arcing distance is identified by operating voltage and breaking capacity.



CONTACTOR - 3 POLE CAPACITOR



Item	JGJ19-25	JGJ19-32
Controllable capacitor 220V	6	9
Capacity 380V	12	18
Rated Isolation Voltage U_i V	500	
Rated Operational Voltage U_e V	220/240, 380/400	
Conventional thermal current I_{th} A	25	32
Rated Operational current I_e A (380V)	17	23
Restrained surge capacity	20 I_e	
Controlled power voltage	110 127 220 380	
Auxiliary contact	AC-15: 360VA DC-13: 33W I_{th} : 10A	
Operating Frequency cycles/h	120	
Electrical durability 10^4	10	
Mechanical durability 10^4	100	



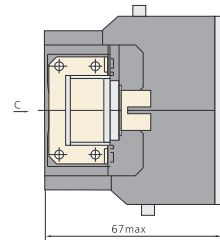
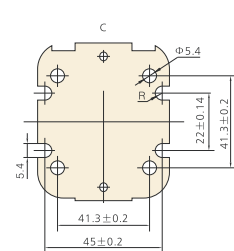
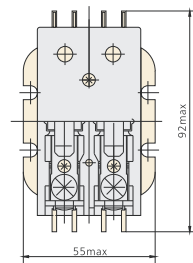
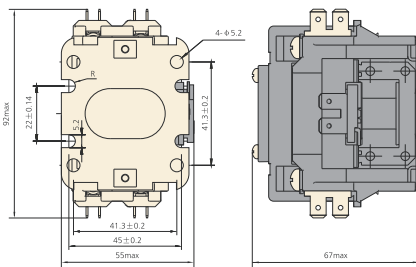
Model	Amax	Bmax	Cmax	Dmax	E	F	Note
JGJ19-25	80	47	124	76	34/35	50/60	Not only fixed by screws but also could be fixed with 35mm din rail
JGJ19-32	90	58	132	86	40	48	

CONTACTOR - 30A; AIR CON.



JG-30/1P

JG-30/2P



Coil rating	1 Pole contact				2 pole contact			
Nominal coil voltage	24	120	208/240	277	24	120	208/240	277
Nominal coil resistance Ohms	18	420	1800	2500	11	237	1000	1600
Maximum pick up voltage	18	88	177	221	18	88	177	221
Maximum drop out voltage	06-15	20-70	40-140	50-165	06-15	20-70	40-140	50-165
Nominal rush Va@50Hz	31	31	31	31	33	33	33	33
Nominal rush Va@60Hz	28	28	28	28	30	30	30	30
Nominal rush Va@50Hz	6	6	6	6	8	8	8	8
Nominal rush Va@60Hz	5	5	5	5	6.5	6.5	6.5	6.5
Maximum coil voltage	30	132	264	300	30	132	132	300

