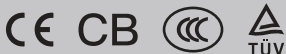
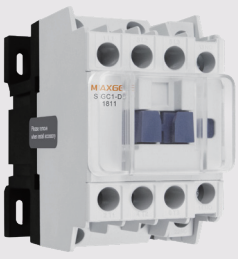


SGC1-D Series II AC Contactor

Standard	IEC 60947-1 / IEC 60947-4-1
Electric ratings	9-95A
Rated operating voltage Ue(V)	220V~690V
Rated insulation voltage	690V
Protection degree	SGC1-D-II 09~38 IP20
	SGC1-D-II 40~95 IP10
Rated frequency(Hz)	50/60
Utilization category	AC-3,AC-4
Installation category	III
Pollution level	3
Ambient air temperature	Limit of temperature: -35°C~+70°C
	Normal temperature:-5°C~+40°C
Maximum operating altitude(meters)	≤2000
Flame resistance	V1
Certification	



SGC1-D-II 18



SGC1-D-II 38



SGC1-D-II 65



SGC1-D-II 95

SGC1-D Series II

AC Contactor

Type			SGC1-D-II 09	SGC1-D-II 12	SGC1-D-II 18	SGC1-D-II 25	SGC1-D-II 32	SGC1-D-II 38
Poles			3P					
Rated insulation voltage(Ui)		V	690					
Rated operating voltage(Ue)		V	380/400, 660/690					
Rated thermal current(Ith), AC-1			20	20	32	40	50	50
Rated operation current(Ie)	AC-3, 380/400V	A	9	12	18	25	32	38
	AC-3, 660/690V	A	6.6	8.9	12	18	22	22
	AC-4, 380/400V	A	3.5	5	7.7	8.5	12	14
	AC-4, 660/690V	A	1.5	2	3.8	4.4	7.5	8.9
Rated operational power(Pe)	AC-3, 380/400V	kW	4	5.5	7.5	11	15	18.5
	AC-3, 660/690V	kW	5.5	7.5	10	15	18.5	18.5
	AC-4, 380/400V	kW	1.5	2.2	3.3	4	5.5	5.5
	AC-4, 660/690V	kW	1.1	1.5	3	3.7	5.5	6
Mechanical life			1200			1000		
Electrical life	AC-3	10000 times	110				90	
	AC-4		22					
Frequency of operation	AC-3	times/hour	1200				600	
	AC-4		300					
Connecting capability of main circuit terminal								
Flexible wire	1 wire	mm ²	1...4			1.5...6		
No terminal	2 wire	mm ²	1...4			1.5...6		
Flexible wire	1 wire	mm ²	1...4			1...6		
With terminals	2 wire	mm ²	1...2.5			1...4		
Hard wire	1 wire	mm ²	1...4			1.5...6	1.5...10	
No terminal	2 wire	mm ²	1...4			1.5...		
Fastening torque		N·m	1.2			1.8		
Coil								
Rated control voltage(Us)	50Hz	V	24、36、48、110、127、220/230、240、380/400、415、440					
	50/60Hz	V	24、36、48、110、127、220/230、240、380/400、415、440					
Allowed control circuit voltage(Us)	Operation	V	Installation inclination angle ±22.5°: 85%~110%Us; Installation inclination angle±5°: 70%~120%					
	Release	V	Installation inclination angle ±22.5°: 20%~75%Us; Installation inclination angle±5°: 20%~65%					
Power consumption of coil	Actuation	VA	60			70		
	Keep	VA	6-9.5			6-9.5		
	Consumption	W	1-3			1-3		
Auxiliary contacts								
Auxiliary contacts specification		A	11					
Rated thermal current (Ith)		A	10					
Rated operating voltage (Ue)	AC	V	380					
	DC	V	220					
Rated control capacity	AC-15	VA	360					
	DC-13	W	33					

SGC1-D Series II

AC Contactor

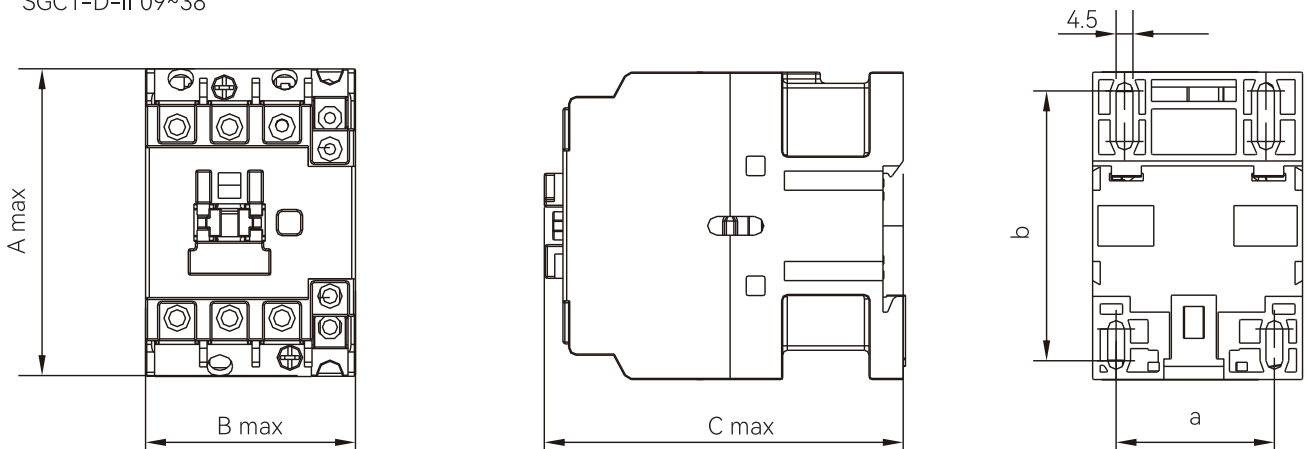
Type			SGC1-D-II 40	SGC1-D-II 50	SGC1-D-II 65	SGC1-D-II 80	SGC1-D-II 95
Poles			3P				
Rated insulation voltage(Ui)		V	690				
Rated operating voltage(Ue)		V	380/400, 660/690				
Rated thermal current(Ith), AC-1			60	80	80	125	125
Rated operation current(Ie)	AC-3, 380/400V	A	40	50	65	80	95
	AC-3, 660/690V	A	34	39	42	49	49
	AC-4, 380/400V	A	18.5	24	28	37	44
	AC-4, 660/690V	A	9	12	14	17.3	21.3
Rated operational power(Pe)	AC-3, 380/400V	kW	18.5	22	30	37	45
	AC-3, 660/690V	kW	30	33	37	45	45
	AC-4, 380/400V	kW	7.5	11	15	18.5	22
	AC-4, 660/690V	kW	7.5	10	11	15	18.5
Mechanical life			900			650	
Electrical life	AC-3	10000 times	90			65	
	AC-4		17			11	
Frequency of operation	AC-3	times/hour	600				
	AC-4		300				
Connecting capability of main circuit terminal							
Flexible wire	1 wire	mm ²	2.5...25			4...50	
No terminal	2 wire	mm ²	2.5...16			4...25	
Flexible wire	1 wire	mm ²	2.5...25			4...50	
With terminals	2 wire	mm ²	2.5...10			4...16	
Hard wire	1 wire	mm ²	2.5...25			4...50	
No terminal	2 wire	mm ²	2.5...10			4...25	
Fastening torque		N·m	5			9	
Coil							
Rated control voltage(Us)	50Hz	V	24、36、48、110、127、220/230、240、380/400、415、440				
	50/60Hz	V	24、36、48、110、127、220/230、240、380/400、415、440				
Allowed control circuit voltage(Us)	Operation	V	Installation inclination angle ±22.5°: 85%~110%Us; Installation inclination angle±5°: 70%~120%				
	Release	V	Installation inclination angle ±22.5°: 20%~75%Us; Installation inclination angle±5°: 20%~65%				
Power consumption of coil	Actuation	VA	200				
	Keep	VA	15~20				
	Consumption	W	6~10				
Auxiliary contacts							
Auxiliary contacts specification		A	11				
Rated thermal current (Ith)		A	10				
Rated operating voltage (Ue)	AC	V	380				
	DC	V	220				
Rated control capacity	AC-15	VA	360				
	DC-13	W	33				

SGC1-D Series II

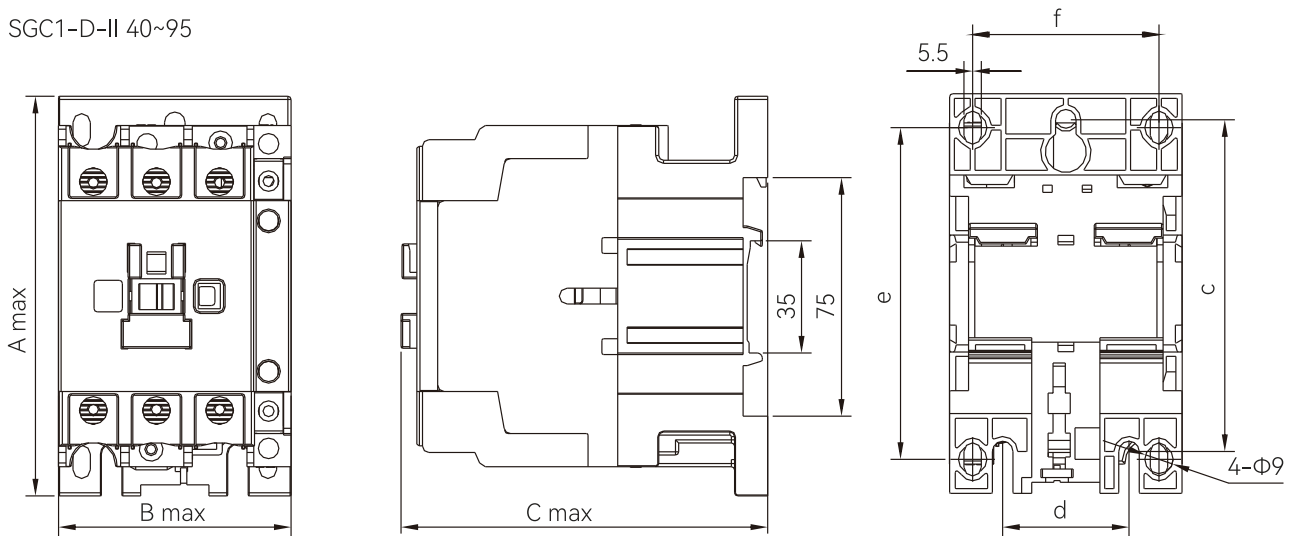
AC Contactor

Overall Dimensions

SGC1-D-II 09~38



SGC1-D-II 40~95



Type	A max	B max	C max	a	b	c	d	e	f
SGC1-D-II 09, 12, 18	74.5	45.5	85.5	35	50/60	-	-	-	-
SGC1-D-II 25, 32, 38	83	56.5	97	40	50/70	-	-	-	-
SGC1-D-II 40, 50, 65	127.5	74.5	117	-	-	105	40	100/110	59
SGC1-D-II 80, 95	127.5	85.5	125.5	-	-	105	40	100/110	67