

RKC2

Contactor 9~95A Standard_IEC60947-4-1



Product Overview

RKC2 series AC Contactor with novel appearance and compact structure is suitable for using starting & controlling the AC motor frequently, switching on and off the circuit at a long distance. It is used in combination with thermal relay to compose a magnetic motor starter.

Standard: IEC 60947-4-1.

Type Designation

RK	C	2	-	25	11	-	24V
↓	↓	↓		↓	↓		↓
①	②	③		④	⑤		⑥

Code	Meaning
①	Company code
②	Contactor
③	Design sequence NO.

Code	Meaning
④	Rated operating voltage (380V/400V, AC3): 9A,12A,18A,25A,32A,40A,50A,65A,80A,95A
⑤	Number of contacts 11: 3NO main contacts+1NO and 1NC auxiliary contact
⑥	Coil voltage: 24V,48V,110V,240V,415V

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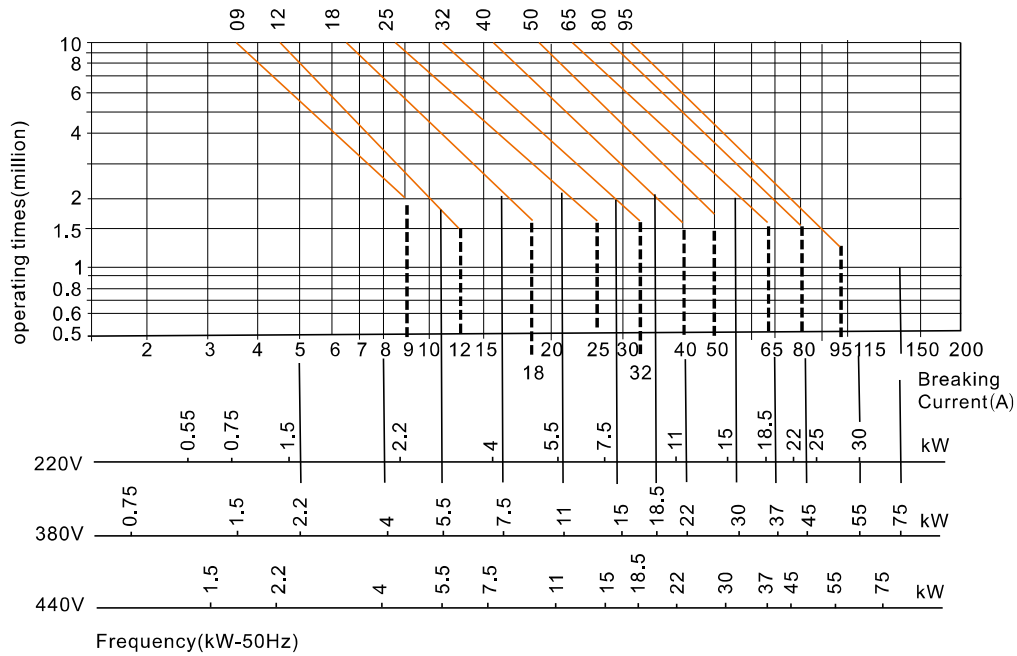
Technical Data

Type		RKC2-09	RKC2-12	RKC2-18	RKC2-25	RKC2-32	RKC2-40	RKC2-50	RKC2-65	RKC2-80	RKC2-95
Main circuit characteristic											
Poles		3P									
Main contact		3NO									
Rated insulation voltage(Ui)(V)		690V									
Rated operating voltage(Ue)(V)		380/400V; 660/690V									
Rated thermal current(Ith), AC-1		20	20	32	40	50	60	80	80	125	125
Rated operation current(Ie)(A)	AC-3, 380/400V	9	12	18	25	32	40	50	65	80	95
	AC-3, 660/690V	6.6	8.9	12	18	22	34	39	42	49	49
	AC-4, 380/400V	3.5	5	7.7	8.5	12	18.5	24	28	37	44
	AC-4, 660/690V	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Rated operational power(Pe)(A)	AC-3, 380/400V	4	5.5	7.5	11	15	18.5	22	30	37	45
	AC-3, 660/690V	5.5	7.5	10	15	18.5	30	33	37	45	45
	AC-4, 380/400V	1.5	2.2	3.3	4	5.4	7.5	11	15	18.5	22
	AC-4, 660/690V	1.1	1.5	3	3.7	5.5	7.5	10	11	15	18.5
Mechanical life(×10 ⁴ times)		1200			1000		900			650	
Electrical life (×10 ⁴ times)	AC-3	110				90				65	
	AC-4	22				22	17			11	
Frequency of operation (time/h)	AC-3	1200				600					
	AC-4	300				300					
Control circuit characteristics											
Rated control voltage(Us)	50Hz	24V,48V,110V,240V,415V									
	50/60Hz	24V,48V,110V,240V,415V									
Allowed control circuit voltage	Operation	(85%~110%)Us									
	Release	(20%~75%)Us									
Power consumption of coil	Actuation(VA)	60			70		200			200	
	Keep(VA)	6-9.5			6-9.5		15-20			15-20	
	Consumption(W)	1-3			1-3		6-10			6-10	
Connecting capability of main circuit terminal											
Flexible wire No terminal	1 wire(mm ²)	1~4			1.5~6		2.5~25			4~50	
	2 wire(mm ²)	1~4			1.5~6		2.5~16			4~25	
Flexible wire With terminals	1 wire(mm ²)	1~4			1~6		2.5~25			4~50	
	2 wire(mm ²)	1~2.5			1~4		2.5~10			4~16	
Hard wire No terminal	1 wire(mm ²)	1~4			1.5~6	1.5~10	2.5~25			4~50	
	2 wire(mm ²)	1~4			1.5~6		2.5~10			4~25	
Fastening torque (N.m)		1.2			1.8		5			9	
Auxiliary contacts											
Bulit-in auxiliary contact		1NO+1NC									
Rated thermal current (Ith)		10A									
Rated operating voltage (Ue)	AC	380V									
	DC	220V									
Rated control capacity	AC-15	360VA									
	DC-13	33W									

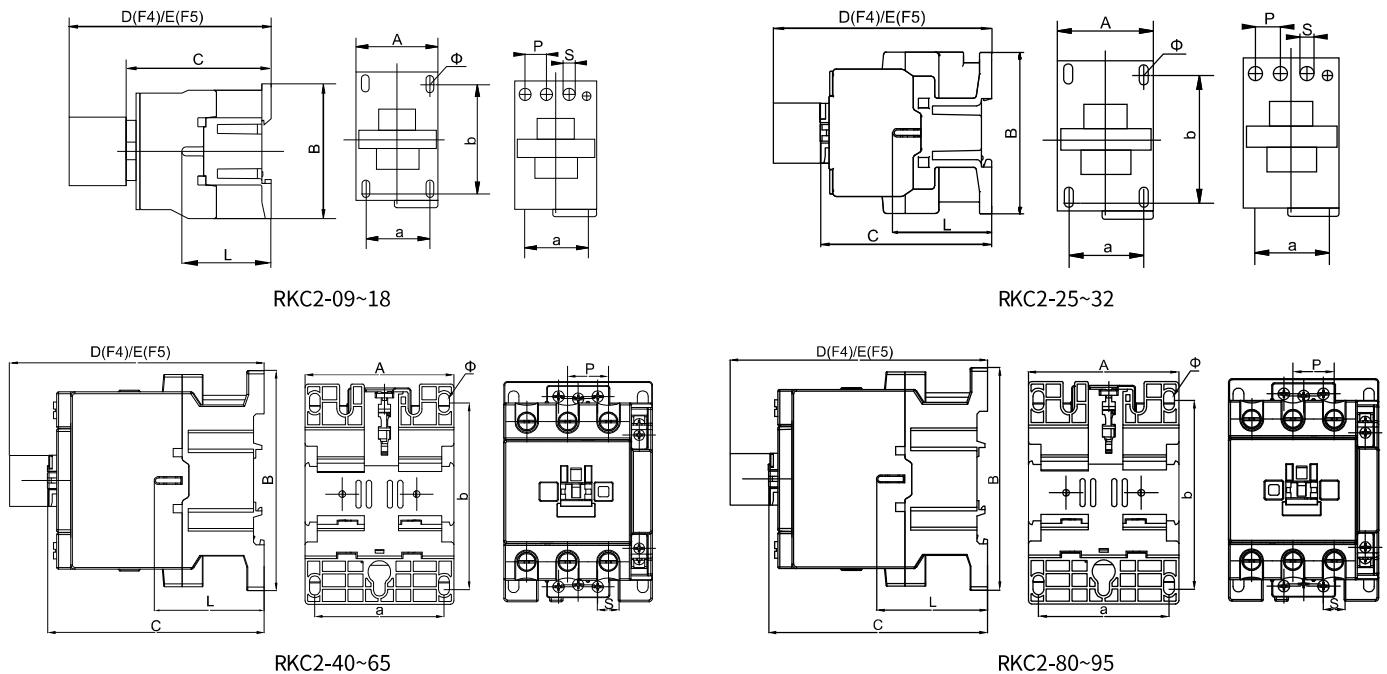
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Electric Life Curves



Dimension(mm)



Model	A Max	B Max	C Max	D Max	E Max	a	b	Ø	L	P	S
RKC2-09~18	45	74.5	87	120	124	34.5	50/60	4.5	51	11	10.5
RKC2-25~32	56	87	98.6	132	136	40	61.5	4.5	59.3	14.2	13
RKC2-40~65	75	127	118	151.1	155	63.5	105	6	63.2	20	14
RKC2-80~95	86	126.5	126.5	158.5	162.5	74.5	105	6	63.2	23.5	17.5