

Selection table

General purpose contactors PAK·RSK Series

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Series			J Series								
Frame		6JC	11J	12J	20J	21J	26J	35J	50J		
Model type	Magnetic contactor (open type)	Non-reversing	PAK-6JC	PAK-11J	PAK-12J	PAK-20J	PAK-21J	PAK-26J	PAK-35J	PAK-50J	
		Reversing	—	RSK-11J	RSK-12J ^③	RSK-20J ^③	RSK-21J ^③	RSK-26J ^③	RSK-35J ^③	RSK-50J ^③	
	Magnetic starter, standard type	Open type	Non-reversing	PAK-6JTC	PAK-11JTC	PAK-12JTC	PAK-20JTC	PAK-21JTC	PAK-26JTC	PAK-35JTC	PAK-50JTC
			Reversing	—	RSK-11JTC	RSK-12JTC ^③	RSK-20JTC ^③	RSK-21JTC ^③	RSK-26JTC ^③	RSK-35JTC ^③	RSK-50JTC ^③
		Enclosed type	Non-reversing	PAK-6JMC	PAK-11JMC	PAK-12JMC	PAK-20JMC	PAK-21JMC	PAK-26JMC	PAK-35JMC	PAK-50JMC
			Reversing	—	RSK-11JMC	RSK-12JMC ^③	RSK-20JMC ^③	RSK-21JMC ^③	RSK-26JMC ^③	RSK-35JMC ^③	RSK-50JMC ^③
	(With 2-heaters thermal overload relay)	Thermal relay	overload	TJ-18JA	TJ-18	TJ-18	TJ-18	TJ-18	TJ-35	TJ-35	TJ-35
			overload	TJ-18JA	TJ-18	TJ-18	TJ-18	TJ-18	TJ-35	TJ-35	TJ-35
	Magnetic starter	Open type	Non-reversing	PAK-6JGTC	PAK-11JGTC	PAK-12JGTC	PAK-20JGTC	PAK-21JGTC	PAK-26JGTC	PAK-35JGTC	PAK-50JGTC
			Reversing	—	RSK-11JGTC	RSK-12JGTC ^③	RSK-20JGTC ^③	RSK-21JGTC ^③	RSK-26JGTC ^③	RSK-35JGTC ^③	RSK-50JGTC ^③
Enclosed type		Non-reversing	PAK-6JGMC	PAK-11JGMC	PAK-12JGMC	PAK-20JGMC	PAK-21JGMC	PAK-26JGMC	PAK-35JGMC	PAK-50JGMC	
		Reversing	—	RSK-11JGMC	RSK-12JGMC ^③	RSK-20JGMC ^③	RSK-21JGMC ^③	RSK-26JGMC ^③	RSK-35JGMC ^③	RSK-50JGMC ^③	
(With phase-failure protection thermal overload relay)	Thermal relay	overload	GTJ-18JA	GTJ-18	GTJ-18	GTJ-18	GTJ-18	GTJ-35	GTJ-35	GTJ-35	
		overload	GTJ-18JA	GTJ-18	GTJ-18	GTJ-18	GTJ-18	GTJ-35	GTJ-35	GTJ-35	
Magnetic starter	Open type	Non-reversing	PAK-6JT-3C	PAK-11JT-3C	PAK-12JT-3C	PAK-20JT-3C	PAK-21JT-3C	PAK-26JT-3C	PAK-35JT-3C	PAK-50JT-3	
		Reversing	—	RSK-11JT-3C	RSK-12JT-3C ^③	RSK-20JT-3C ^③	RSK-21JT-3C ^③	RSK-26JT-3C ^③	RSK-35JT-3C ^③	RSK-50JT-3 ^③	
	Enclosed type	Non-reversing	PAK-6JM-3C	PAK-11JM-3C	PAK-12JM-3C	PAK-20JM-3C	PAK-21JM-3C	PAK-26JM-3C	PAK-35JM-3C	PAK-50JM-3	
		Reversing	—	RSK-11JM-3C	RSK-12JM-3C ^③	RSK-20JM-3C ^③	RSK-21JM-3C ^③	RSK-26JM-3C ^③	RSK-35JM-3C ^③	RSK-50JM-3 ^③	
(With 3-heaters thermal overload relay)	Combination of thermal overload relay	overload	TJ-18JA-3	TJ-18-3	TJ-18-3	TJ-18-3	TJ-18-3	TJ-35-3	TJ-35-3	TJ-35-3	
		overload	TJ-18JA-3	TJ-18-3	TJ-18-3	TJ-18-3	TJ-18-3	TJ-35-3	TJ-35-3	TJ-35-3	
Ratings	AC-3: 3-phase squirrel-cage motor	200-240V	2.2kW/8.7A	3.7kW/13.5A	4kW/15A	7.5kW/27A	7.5kW/27A	10kW/35A	15kW/52A	18.5kW/65A	
		380-440V	4kW/7.9A	4.5kW/9.5A	5.5kW/11.5A	11kW/22A	11kW/22A	20kW/35A	26kW/45A	30kW/62A	
		500-550V	4kW/6.3A	4.5kW/7.6A	5.5kW/9.2A	11kW/18A	11kW/18A	20kW/28A	26kW/36A	30kW/45A	
	AC-3: Single-phase motor	100-110V	0.4kW/7.2A	0.75kW/13.5A	0.9kW/17A	1.5kW/27A	1.5kW/27A	2kW/35A	3kW/52A	—	
		200-240V	0.75kW/6.8A	1.5kW/13.5A	1.8kW/17A	3kW/27A	3kW/27A	4kW/35A	6kW/52A	—	
	AC-1: Resistance load (500,000 ops)	200-240V	15A	20A	26A	32A	32A	50A	60A	65A	
		380-440V	15A	20A	26A	32A	32A	50A	60A	65A	
		500-550V	15A	20A	26A	32A	32A	50A	60A	65A	
	AC-4: Inching/plugging (30,000 ops)	200-240V	1.1kW	2.2kW	3.7kW	4kW	5.5kW	7.5kW	10kW	10kW	
		380-440V	1.5kW	3.7kW	4.5kW	5.5kW	7.5kW	11kW	20kW	20kW	
500-550V		1.5kW	3.7kW	4.5kW	5.5kW	7.5kW	11kW	20kW	20kW		
Rated thermal current (A)		15A	20A	26A	32A	32A	50A	60A	65A		
Performance	IEC 60947-4-1		AC-3	AC-3	AC-3	AC-3	AC-3	AC-3	AC-3		
	Mechanical life(x10 ⁶ ops)		2.5	5	5	5	5	5	5		
	Electrical life(x10 ⁶ ops)		0.5	1	1	1	1	1	0.5		
	Switching frq. (ops/hour)		1200	1200	1200	1200	1200	1200	1200		
Auxiliary contacts	Contact configuration	Standard	1NO(1NC)	1NO(1NC)	1NO(1NC)	1NO(1NC)	1NO1NC (2NO, 2NC)	2NO2NC	2NO2NC	2NO2NC	
		Option maximum config.	—	1NC×2	1NO1NC×2	1NO1NC×2	1NO2NC×2	2NO3NC×2	2NO3NC×2	2NO3NC×2	
	Rated operational current (A) AC-15	100-110V	3	10	10	28	10	10	10	10	
		200-240V	2	6	6	20	6	6	6	6	
		380-440V	1.5	3	3	14	3	3	3	3	
Rated thermal current (A)		10	10	10	32	10	10	10			
Thermal overload relays	Rated current (3-point set current scale) ②	0.28-0.35-0.42	0.28-0.35-0.42	0.28-0.35-0.42	0.28-0.35-0.42	0.28-0.35-0.42	0.28-0.35-0.42	0.28-0.35-0.42	0.28-0.35-0.42		
		0.4-0.5-0.6	0.4-0.5-0.6	0.4-0.5-0.6	0.4-0.5-0.6	0.4-0.5-0.6	0.4-0.5-0.6	0.4-0.5-0.6	0.4-0.5-0.6		
	0.56-0.7-0.84	0.56-0.7-0.84	0.56-0.7-0.84	0.56-0.7-0.84	0.56-0.7-0.84	0.56-0.7-0.84	0.56-0.7-0.84	0.56-0.7-0.84			
	0.64-0.8-0.96	0.64-0.8-0.96	0.64-0.8-0.96	0.64-0.8-0.96	0.64-0.8-0.96	0.64-0.8-0.96	0.64-0.8-0.96	0.64-0.8-0.96			
	0.8-1-1.2	0.8-1-1.2	0.8-1-1.2	0.8-1-1.2	0.8-1-1.2	0.8-1-1.2	0.8-1-1.2	0.8-1-1.2			
	1-1.2-1.4	1-1.2-1.4	1-1.2-1.4	1-1.2-1.4	1-1.2-1.4	1-1.2-1.4	1-1.2-1.4	1-1.2-1.4			
	1.2-1.4-1.6	1.2-1.4-1.6	1.2-1.4-1.6	1.2-1.4-1.6	1.2-1.4-1.6	1.2-1.4-1.6	1.2-1.4-1.6	1.2-1.4-1.6			
1.4-1.8-2.0	1.4-1.8-2.0	1.4-1.8-2.0	1.4-1.8-2.0	1.4-1.8-2.0	1.4-1.8-2.0	1.4-1.8-2.0	1.4-1.8-2.0				
1.8-2.3-2.6	1.8-2.3-2.6	1.8-2.3-2.6	1.8-2.3-2.6	1.8-2.3-2.6	1.8-2.3-2.6	1.8-2.3-2.6	1.8-2.3-2.6				
2.4-3-3.6	2.4-3-3.6	2.4-3-3.6	2.4-3-3.6	2.4-3-3.6	2.4-3-3.6	2.4-3-3.6	2.4-3-3.6				
2.9-3.6-4.3	2.9-3.6-4.3	2.9-3.6-4.3	2.9-3.6-4.3	2.9-3.6-4.3	2.9-3.6-4.3	2.9-3.6-4.3	2.9-3.6-4.3				
3.7-4.6-5.5	3.7-4.6-5.5	3.7-4.6-5.5	3.7-4.6-5.5	3.7-4.6-5.5	3.7-4.6-5.5	3.7-4.6-5.5	3.7-4.6-5.5				
4-5-6	4-5-6	4-5-6	4-5-6	4-5-6	4-5-6	4-5-6	4-5-6				
5.4-6.7-8	5.4-6.7-8	5.4-6.7-8	5.4-6.7-8	5.4-6.7-8	5.4-6.7-8	5.4-6.7-8	5.4-6.7-8				
6-7.5-9	6-7.5-9	6-7.5-9	6-7.5-9	6-7.5-9	6-7.5-9	6-7.5-9	6-7.5-9				
7.4-9.2-11	7.4-9.2-11	7.4-9.2-11	7.4-9.2-11	7.4-9.2-11	7.4-9.2-11	7.4-9.2-11	7.4-9.2-11				
8-8-11-13	8-8-11-13	8-8-11-13	8-8-11-13	8-8-11-13	8-8-11-13	8-8-11-13	8-8-11-13				
11-13-15	11-13-15	11-13-15	11-13-15	11-13-15	11-13-15	11-13-15	11-13-15				
12-15-18	12-15-18	12-15-18	12-15-18	12-15-18	12-15-18	12-15-18	12-15-18				
15-18-20	15-18-20	15-18-20	15-18-20	15-18-20	15-18-20	15-18-20	15-18-20				
18-22-26	18-22-26	18-22-26	18-22-26	18-22-26	18-22-26	18-22-26	18-22-26				
21-26-31	21-26-31	21-26-31	21-26-31	21-26-31	21-26-31	21-26-31	21-26-31				
24-30-36	24-30-36	24-30-36	24-30-36	24-30-36	24-30-36	24-30-36	24-30-36				
28-34-42	28-34-42	28-34-42	28-34-42	28-34-42	28-34-42	28-34-42	28-34-42				
34-42-48	34-42-48	34-42-48	34-42-48	34-42-48	34-42-48	34-42-48	34-42-48				
40-48-52	40-48-52	40-48-52	40-48-52	40-48-52	40-48-52	40-48-52	40-48-52				
46-56-65	46-56-65	46-56-65	46-56-65	46-56-65	46-56-65	46-56-65	46-56-65				
Heater elements(STANDARD)		2	2	2	2	2	2	2	2		
Reset type		Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto		
Manual trip		○	○	○	○	○	○	○	○		
Output contact configuration		1 NO1 NC	1 NO1 NC	1 NO1 NC	1 NO1 NC	1 NO1 NC	1 NO1 NC	1 NO1 NC	1 NO1 NC		
DIN rail mounting		○	○	○	○	○	○	○	○		
Auxiliary twin contacts		○	○	○	—	○	○	○	○		
Options	Auxiliary contact unit 2P		—	HAU-2	HAU-2	HAU-2	HAU-2	HAU-2	HAU-2		
	Auxiliary contact unit 4P		—	HAU-4	HAU-4	HAU-4	HAU-4	HAU-4	HAU-4		
	Terminal (protective) cover		C-21/TC-22 ^③	C-11/TC-22 ^③	C-11/TC-22 ^③	C-12/TC-22 ^③	C-13/TC-22 ^③	C-14/TC-25 ^③	C-14/TC-25 ^③	C-14/TC-25 ^③	
	Coil surge absorption unit ^⑤		—	SA-22/24				SA-32/34			
	DIN rail mounting adapter ^⑥		—	—	—	—	—	—	—		

- Notes. ①In case of addition HAU-4-22 (2NO+2NC) to the standard auxiliary contact configuration of magnetic contactor.
 ②The rated current of thermal overload relay, must be selected less than rated operational current (AC-3)of magnetic contactor.
 ③Type name of left side shows for magnetic contactor, and right side for thermal overload relay.
 (For Reversing type, please refer to P90.)
 ④Type name of left side shows for magnetic contactor, and right side for magnetic starter.
 ⑤The Type name of coil surge absorption unit changes with the rated values of operation voltage.
 Please refer to P93. Moreover, PAK-50H~800J incorporate the surge absorption function.
 ⑥HAU-BL is designed for installation on left side of contactor, and HAU-BR on right.

Selection table

General purpose contactors PAK·RSK Series

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H Series									J Series						
50H	65H	80H	95H	100H	125H	150H	220H	270H	300J⑩	400J⑩	600J⑩	800J⑪			
PAK-50H	PAK-65H	PAK-80H	PAK-95H	PAK-100H	PAK-125H	PAK-150H	PAK-220H	PAK-270H	PAK-300J	PAK-400J	PAK-600J	PAK-800J			
RSK-50H	RSK-65H	RSK-80H	RSK-95H	RSK-100H	RSK-125H	RSK-150H	RSK-220H	RSK-270H	RSK-300J	RSK-400J	—	—			
PAK-50HTC	PAK-65HTC	PAK-80HTC	PAK-95HT	PAK-100HTC	PAK-125HTC	PAK-150HTC	PAK-220HTC	PAK-270HT	PAK-300JT	PAK-400JT	PAK-600JT	—			
RSK-50HTC	RSK-65HTC	RSK-80HTC	RSK-95HT	RSK-100HTC	RSK-125HTC	RSK-150HTC	RSK-220HTC	RSK-270HT	RSK-300JT	RSK-400JT	—	—			
PAK-50HMC	PAK-65HMC	PAK-80HMC	PAK-95HM	PAK-100HMC	PAK-125HMC	PAK-150HMC	PAK-220HMC	PAK-270HM	—	—	—	—			
RSK-50HMC	RSK-65HMC	RSK-80HMC	RSK-95HM	RSK-100HMC	RSK-125HMC	RSK-150HMC	RSK-220HMC	RSK-270HM	—	—	—	—			
TJ-50	TJ-50	TJ-50	TJ-50	TJ-125	TJ-125	TJ-125	T J-220⑦	T J-220⑦	T-400⑧	T-400⑧	T-600⑧	—			
PAK-50HGTC	PAK-65HGTC	PAK-80HGTC	PAK-95HGT	PAK-100HGTC	PAK-125HGTC	PAK-150HGTC	PAK-220HGTC	PAK-270HGT	PAK-300JGT	PAK-400JGT	PAK-600JGT	—			
RSK-50HGTC	RSK-65HGTC	RSK-80HGTC	RSK-95HGT	RSK-100HGTC	RSK-125HGTC	RSK-150HGTC	RSK-220HGTC	RSK-270HGT	RSK-300JGT	RSK-400JGT	—	—			
PAK-50HGMC	PAK-65HGMC	PAK-80HGMC	PAK-95HGM	PAK-100HGMC	PAK-125HGMC	PAK-150HGMC	PAK-220HGMC	PAK-270HGM	—	—	—	—			
RSK-50HGMC	RSK-65HGMC	RSK-80HGMC	RSK-95HGM	RSK-100HGMC	RSK-125HGMC	RSK-150HGMC	RSK-220HGMC	RSK-270HGM	—	—	—	—			
GTJ-50	GTJ-50	GTJ-50	GTJ-50	GTJ-125	GTJ-125	GTJ-125	GTJ-220⑦	GTJ-220⑦	GT-400⑧	GT-400⑧	GT-600⑧	—			
PAK-50HT-3C	PAK-65HT-3C	PAK-80HT-3C	PAK-95HT-3	PAK-100HT-3C	PAK-125HT-3C	PAK-150HT-3C	PAK-220HT-3C	PAK-270HT-3	—	—	—	—			
RSK-50HT-3C	RSK-65HT-3C	RSK-80HT-3C	RSK-95HT-3	RSK-100HT-3C	RSK-125HT-3C	RSK-150HT-3C	RSK-220HT-3C	RSK-270HT-3	—	—	—	—			
PAK-50HM-3C	PAK-65HM-3C	PAK-80HM-3C	PAK-95HM-3	PAK-100HM-3C	PAK-125HM-3C	PAK-150HM-3C	PAK-220HM-3C	PAK-270HM-3	—	—	—	—			
RSK-50HM-3C	RSK-65HM-3C	RSK-80HM-3C	RSK-95HM-3	RSK-100HM-3C	RSK-125HM-3C	RSK-150HM-3C	RSK-220HM-3C	RSK-270HM-3	—	—	—	—			
TJ-50-3	TJ-50-3	TJ-50-3	TJ-50-3	TJ-125-3	TJ-125-3	TJ-125-3	TJ-220-3⑦	TJ-220-3⑦	—	—	—	—			
18.5kW/65A	22kW/80A	25kW/90A	27kW/110A	37kW/125A	45kW/150A	60kW/200A	80kW/275A	90kW/310A	90kW/300A	115kW/400A	160kW/600A	(AC-2) 200kW/800A			
30kW/62A	37kW/75A	45kW/90A	55kW/110A	55kW/110A	60kW/125A	75kW/150A	90kW/180A	132kW/265A	150kW/300A	200kW/400A	300kW/600A	(AC-2) 400kW/800A			
30kW/45A	37kW/60A	45kW/72A	55kW/90A	55kW/90A	70kW/110A	75kW/120A	90kW/150A	132kW/200A	160kW/250A	200kW/350A	300kW/500A	—			
—	—	—	—	—	—	—	—	—	—	—	—	—			
—	—	—	—	—	—	—	—	—	—	—	—	—			
75A	90A	110A	110A	150A	170A	220A	275A	310A	350A	420A	600A	800A⑫			
75A	90A	110A	110A	150A	170A	220A	275A	310A	350A	420A	600A	800A⑫			
75A	90A	110A	110A	150A	170A	220A	275A	310A	—	—	—	—			
7.5kW	11kW	15kW	19kW	19kW	25kW	30kW	45kW	55kW	55kW	75kW	90kW	—			
15kW	22kW	30kW	37kW	37kW	45kW	55kW	75kW	80kW	95kW	110kW	150kW	—			
15kW	22kW	30kW	37kW	37kW	45kW	55kW	75kW	80kW	—	—	—	—			
75A	90A	110A	110A	150A	170A	220A	275A	310A	350A	420A	600A	800A			
AC-3	AC-3	AC-3	AC-3	AC-3	AC-3	AC-3	AC-3	AC-3	AC-3	AC-3	AC-3	AC-2			
5	5	5	5	5	5	5	5	5	5	5	5	1			
1	1	1	1	1	1	1	1	0.5	0.5	0.5	0.5	0.1			
1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200			
2NO2NC	2NO2NC	2NO2NC	2NO2NC	2NO2NC	2NO2NC	2NO2NC	2NO2NC	2NO2NC	3NO3NC	3NO3NC	4NO4NC	4NO4NC			
2NO2NC×2	2NO2NC×2	2NO2NC×2	2NO2NC×2	2NO2NC×2	2NO2NC×2	2NO2NC×2	2NO2NC×2	2NO2NC×2	3NO3NC×2	3NO3NC×2	—	—			
4NO4NC	4NO4NC	4NO4NC	4NO4NC	4NO4NC	4NO4NC	4NO4NC	4NO4NC	4NO4NC	—	—	—	—			
4NO4NC×2	4NO4NC×2	4NO4NC×2	4NO4NC×2	—	—	—	—	—	—	—	—	—			
10	10	10	10	10	10	10	10	10	2	2	2	2			
6	6	6	6	6	6	6	6	6	2	2	2	2			
3	3	3	3	3	3	3	3	3	1	1	1	1			
10	10	10	10	10	10	10	10	10	10	10	10	10			
12-15-18 18-22-26 21-26-31 24-30-36 28-34-42 34-42-48 40-48-54 46-54-60 56-68-80 68-80-94	12-15-18 18-22-26 21-26-31 24-30-36 28-34-42 34-42-48 40-48-54 46-54-60 56-68-80 68-80-94	12-15-18 18-22-26 21-26-31 24-30-36 28-34-42 34-42-48 40-48-54 46-54-60 56-68-80 68-80-94 76-90-100	34-42-48 40-48-54 46-54-60 56-68-80 68-80-94 76-90-100 85-105-125 110-130-150	34-42-48 40-48-54 46-54-60 56-68-80 68-80-94 76-90-100 85-105-125 110-130-150 130-160-190	34-42-48 40-48-54 46-54-60 56-68-80 68-80-94 76-90-100 85-105-125 110-130-150 130-160-190	34-42-48 40-48-54 46-54-60 56-68-80 68-80-94 76-90-100 85-105-125 110-130-150 130-160-190 170-200-230	65-80-95 85-105-125 105-130-150 130-160-190 150-190-230 185-230-275 215-270-325 265-330-400	65-80-95 85-105-125 105-130-150 130-160-190 150-190-230 185-230-275 215-270-325 265-330-400	110-140-180 170-240-290 280-380-440	110-140-180 170-240-290 280-380-440	110-140-180 170-240-290 280-380-440 400-500-600	—			
2	2	2	2	2	2	2	2	2	2	2	2	—			
Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	—			
○	○	○	○	○	○	○	○	○	○	○	○	—			
1NO1NC	1NO1NC	1NO1NC	1NO1NC	1NO1NC	1NO1NC	1NO1NC	1NO1NC	1NO1NC	1NO1NC	1NO1NC	1NO1NC	—			
Adapters are necessary				—	—	—	—	—	—	—	—	—			
○	○	○	○	○	○	○	○	○	○	○	○	○			
HAU-2	HAU-2	HAU-2	HAU-2	—								—	—		
HAU-4	HAU-4	HAU-4	HAU-4	HAU-BL+HAU-BR⑥								—	—		
C-4/TC-4④	C-4/TC-4④	C-4/TC-4④	C-4/TC-4④	C-5/TC-5A④	C-5/TC-5A④	C-6/TC-6A④	C-6/TC-7A④	C-6/TC-7A④	C-8/TC-8④	C-8/TC-8④	C-9/TC-9④	C-9/ — ④			
D-5A				—								—			

⑦TJ-220 is the combination of TJ-35C and CT contained in molded case.

⑧T-400 and T-600 are the combination of T-21 and CT.

⑨PAK-6JC through 50J are not required any adapters.

⑩Magnetic starters with 3-heaters thermal overload relay of 300J to 600J frame are not manufactured.

⑪Magnetic starter of 800J frame is not manufactured.

⑫Electric durability of AC-1 rating for PAK-800J is 100,000 operations.

⑬LO1, LO2, RO1, RO2 are contacts for exclusive use of electrical interlock.