


RIKEN
ELECTRIC

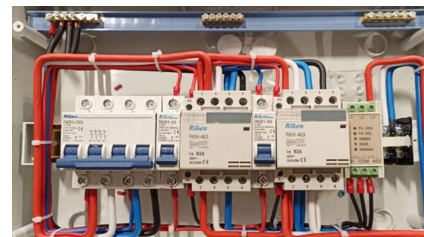
AUTO PHASE SEQUENCE

CORRECTION UNIT

- The unit corrects upstream alteration of phase sequence integrated with U/O voltage isolation, Type 1+2 Surge protection and phase loss isolation
- It is in conformity with IEC 60947-3 standard.



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Contactor specification

Contactor Models (TYPE)		RAB-88T	RAB-110T	RAB-125T	RAB-135T	RAB-150T	RAB-180T	RAB-225T	RAB-260T	RAB-300T	RAB-450T
Rated Insulation Voltage (Ui) IEC / CNS (V)		1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600	1000/600
Rated Operational Voltage (Ue) IEC / CNS (V)		690/600	690/600	690/600	690/600	690/600	690/600	690/600	690/600	690/600	690/600
Continuous Operational Current (Ith) IEC / CNS (A)		140	150	165	170	200	200	240	260	330	400
Continuous Operational Current (Ith) UL (A)		—	—	—	—	—	—	—	—	—	—
Ie Max AC3 under 460V Current (A)		100	115	125	135	150	165	200	225	260	300
AC4 Current (A)		35	40	45	52	60	64	78	85	91	104
Numbers of switchings / hour		1000									
AC3. 1.0	Electrical Operations AC3 (unit:10 ⁴)	100									
	Mechanical Operations (unit:10 ⁴)	500									
Auxiliary Contacts Contact Structure		3P 2a 2b	3P 2a 2b	3P 2a 2b	3P 2a 2b	3P 2a 2b	3P 2a 2b	3P 2a 2b	3P 2a 2b	3P 2a 2b	3P 2a 2b
Continuous Current (Ith A)		10	10	10	10	10	10	10	10	10	10
DC13 Q300		2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Protection Device - Fast Fuse (A)		140	150	165	170	200	200	240	260	330	400
Continuous Current (Ith) Operating Voltage		85%~110%	85%~110%								
Releasing Voltage		< 55%	< 55%								
Coil Rating (VA)	Switching (VA)	200	660	660	660	660	970	970	1100	1300	1300
	Keeping (VA)	20	60	60	60	60	66	66	110	120	120
Reaction Time (S)	Loss (W)	6~9	12~16	12~16	12~16	12~16	18~24	18~24	30~40	30~40	30~40
	Closing (mS)	23~35	23~35	23~35	23~35	23~35	23~35	23~35	23~35	23~35	23~35
Releasing (mS)		5~15	7~16	7~16	7~16	7~16	8~18	8~18	8~18	8~18	8~18

Correction Relay	
Model	JVRP
Input circuit = Measuring circuit	L1,L2,L3
Monitoring functions	phase sequence correction, phase loss, overvoltage, undervoltage, phase unbalance
Delay time for	5-8s fixed —
Delay time for phase loss,	1-2s fixed
Reset time	0.5s fixed
Indicators	phase sequence, phase loss, overvoltage, undervoltage, normal
Output contacts	2 NO
Contact capacity	3A,250VAC (resistive load)
Degree of protection	IP 20
Working conditions	-25 ~65 , 85%RH,non-condensing
Mechanical durability	1000000 cycles
Dielectric strength	>2kVAC 1min
Weight	110g
Dimensions (H x W x D)	68X30X76mm
Mounting	DIN rail
SPD DATA SPECIFICATIONS	
Electrical	
Surge Protective Device (SPD) Type per UL 1449 4th Edition	Type 2 Component Assembly
Surge Protective Device (SPD) Class per IEC 61643-11	Class I
Nominal Operating AC Voltage [Un] (L-N)	240 V
Maximum Continuous Operating AC Voltage [Uc] (L-N)	300 V
Temporary AC Overvoltage Withstand [UT] for 5s per IEC 61643-11 (L-N)	442V
Temporary AC Overvoltage Withstand [UT] for 200ms per IEC 61643-11 (N-PE)	1455V
Response Time [tA] (L-N)	<1 ns
Nominal Discharge Current [In] per UL 1449 4th Edition (L-N) / (N-PE)	20 kA 8/20 μs
Impulse Discharge Current [Iimp] per IEC 61643-11 (L-N)	25 kA 10/350 μs
Impulse Discharge Current [Iimp] per IEC 61643-11 (N-PE)	100 kA 10/350 μs
Voltage Protection Rating (VPR) per UL 1449 4th Edition (L-N)	1000V
Voltage Protection Rating (VPR) per UL 1449 4th Edition (N-PE)	1200V
Voltage Protection Level [Up] per IEC 61643-11 (L-N)	1300 V
Voltage Protection Level [Up] per IEC 61643-11 (N-PE)	1500 V
Operating Frequency	50/60Hz
Mechanical	
Environmental Ingress Protection (IP) Rating	IP 20
Operating Temperature (°C)	-40° C to + 85° C
Mounting Method	35 mm DIN rail
Dimensions (L × W × H) per DIN 43880	144× 91 × 98.7 mm [5.67" × 3.58" × 3.89"]
Weight	4.5 lbs [2.03 kg]
Max. Cross section Area (all terminals)	50 mm2 stranded/ flexible
Min. Cross section Area	4 mm2 stranded/ flexible
Standards Compliance & Certifications	
Standards	UL 1449 4th Ed: 2014, IEC 61643-11:2011, EN 61643-11:2012, IEEE C62.41: 2002, IEEE C62.45: 2002
Certifications	UL, VDE, CE