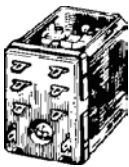


RH Series Midget Power Relays



4

10 amp switching capacity and blade terminals. UL/CSA listed. **Specifications.** **Contact Resistance:** 50 MΩ max. (initial value). **Operate Time and Release Time:** SPDT, DPDT — 20 msec. max.; 3PDT, 4DPT — 25 msec. max. **Insulation Resistance:** 100 MΩ min. (measured at 500 VDC megger). **Power Consumption:** SPDT (AC) — 1.1 VA (50 Hz), 1 VA (60 Hz); SPDT (DC) — 0.8 W. DPDT (AC) — 1.4 VA (50 Hz), 1.2 VA (60 Hz); DPDT (DC) — 0.9 W. 3PDT (AC) — 2 VA (50 Hz), 1.7 VA (60 Hz); 3PDT (DC) — 1.5 W. 4PDT (AC) — 2.5 VA 2 VA (60 Hz); 4PDT (DC) — 1.5 W. **Operating Temperature:** -30°C to +70°C. **Temperature Rise:** Coil — 85°C max.; Contact — 65°C max.

Stock No.	Mfr.'s Type	Configuration	Rated Voltage	Rated Current mA	Coil Resistance Ω	EACH		
						1-24	25-49	50-99
814-3025	RH1B-UAC24V	SPDT	24 VAC	37.0	300.0	8.06	7.32	6.65
814-3026	RH1B-UAC120V	SPDT	120 VAC	7.5	7680.0	8.06	7.32	6.65
814-3027	RH1B-UDC12V	SPDT	12 VDC	64.0	188.0	7.34	6.67	6.10
814-3028	RH1B-UDC24V	SPDT	24 VDC	32.0	750.0	7.34	6.67	6.10
814-3029	RH2B-UAC24V	DPDT	24 VAC	50.0	153.0	8.31	7.52	6.90
814-3030	RH2B-UAC110-120V	DPDT	120 VAC	11.0	4170.0	8.31	7.52	6.90
814-3000	RH2B-UAC220-240V	DPDT	240 VAC	5.5	15210.0	9.44	8.69	7.95
814-3031	RH2B-UDC12V	DPDT	12 VDC	75.0	160.0	8.31	7.52	6.90
814-3032	RH2B-UDC24V	DPDT	24 VDC	36.9	650.0	8.76	8.24	7.73
814-3096	RH2B-ULAC24V*	DPDT	24 VAC	50.0	153.0	10.40	9.54	8.70
814-3089	RH2B-ULAC110-120V*	DPDT	120 VAC	11.0	4170.0	10.40	9.54	8.70
814-3091	RH2B-ULDC12V*	DPDT	12 VDC	75.0	160.0	9.95	9.09	8.30
814-3098	RH2B-ULDC24V*	DPDT	24 VDC	36.9	650.0	9.95	9.09	8.30
814-3033	RH3B-UAC24V	3PDT	24 VAC	70.0	103.0	10.45	9.60	8.75
814-3035	RH3B-UAC120V	3PDT	120 VAC	14.2	2770.0	10.45	9.60	8.75
814-3034	RH3B-UDC24V	3PDT	24 VDC	60.0	400.0	10.00	9.14	8.35
814-3038	RH3B-ULAC120V*	3PDT	120 VAC	70.0	103.0	12.63	11.62	10.60
814-3036	RH3B-ULDC24V*	3PDT	24 VDC	60.0	400.0	12.17	11.11	10.20
814-3042	RH4B-UAC24V	4PDT	24 VAC	83.0	84.5	12.83	11.77	10.75
814-3044	RH4B-UAC120V	4PDT	120 VAC	16.5	2200.0	12.83	11.77	10.75
814-3046	RH4B-UDC12V	4PDT	12 VDC	125.0	96.0	12.73	11.67	10.65
814-3047	RH4B-UDC24V	4PDT	24 VDC	62.0	388.0	12.47	11.41	10.45
814-3094	RH4B-UDC110V	4PDT	110 VDC	15.0	7340.0	13.08	11.97	10.95
814-3041	RH4B-ULAC24V*	4PDT	24 VAC	83.0	84.5	15.05	13.74	12.60
814-3090	RH4B-ULAC120V*	4PDT	120 VAC	16.5	2220.0	15.35	14.09	12.85
814-3039	RH4B-ULDC24V*	4PDT	24 VDC	62.0	388.0	16.79	15.78	14.20

Top Bracket Mount, Solder/Plug-In

814-3095	RH2B-UTDC24V	DPDT	24 VDC	36.9	650.0	9.59	8.93	8.04
814-3054	RH4B-UTAC120V	4PDT	120 VAC	16.5	2220.0	12.73	11.67	10.65

PC Terminals

814-3050	RH2V2-UDC24V	DPDT	24 VDC	36.9	650.0	7.85	7.12	6.50
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*Denotes with indicator light.

RY Series “Ice Cube” Relays

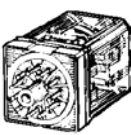
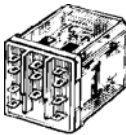


General purpose relay with 3 amp capacity on DPDT and 5 amp capacity on 4PDT, solder terminals and plug-in mounting. **Specifications.** **Contact Material:** Fine silver (gold-plated). **Contact Resistance:** 50 MΩ max. (initial value). **Operate Time:** 20 mS max. **Operating Temperature:** -22°F to +158°F (-30° to +70°C). **Frequency Response:** 1800 operations per hour. **Power Consumption:** AC, approx. 1.1 VA (50 Hz); 1 VA (60 Hz). DC, approx. 0.8 W. UL listed, CSA certified.

Stock No.	Mfr.'s Type	Configuration	Rated Voltage	Rated Current mA	Coil Resistance Ω	EACH		
						1-24	25-49	50-99
814-3067	RY2S-UAC24V	DPDT	24 VAC	37.0	300	7.55	6.87	6.25
814-3068	RY2S-UAC120V	DPDT	120 VAC	7.5	7680	7.55	6.87	6.25
814-3069	RY2S-UDC12V	DPDT	12 VDC	64.0	188	6.99	6.36	5.80
814-3070	RY2S-UDC24V	DPDT	24 VDC	32.0	750	6.83	6.21	5.65
814-3071	RY4S-UAC110-120V	4PDT	120 VAC	11.0	4170	8.72	7.93	7.25
814-3072	RY4S-UAC24V	4PDT	24 VAC	60.5	153	8.72	7.93	7.25
814-3073	RY4S-UDC12V	4PDT	12 VDC	75.0	160	7.19	6.51	5.95
814-3074	RY4S-UDC24V	4PDT	24 VDC	36.9	650	7.19	6.51	5.95
814-3075	RY4S-ULAC24V†	4PDT	24 VAC	60.5	153	10.86	9.95	9.05
814-3001	RY4S-ULAC110-120V†	4PDT	120 VAC	13.1	417	10.86	9.95	9.10
814-3076	RY4S-ULDC12V†	4PDT	12 VDC	75.0	160	9.38	8.53	7.80
814-3077	RY4S-ULDC24V†	4PDT	24 VDC	36.9	650	9.38	8.53	7.80

*Rated Current (mA): +15% at 20°C, 60 Hz. †Denotes with indicator light.

RR Series Heavy-Duty Relays



RRB Series

RRP Series

UL/CSA listed pin and blade type terminals and 10 amp capacity. **Specifications.** **Contact Material:** Silver. **Contact Resistance:** 30 MΩ max. (initial value). **Power Consumption:** AC — approx. 3 VA (50 Hz), 2.5 VA (60 Hz); DC — approx. 1.5 W. **Operating Frequency:** 1800 operations/hour. **Temperature Rise:** Coil — 153°F (85°C) max.; Contact — 117°F (65°C) max. **Operating Temperature:** -22°F to +158°F (-30°C to +70°C). **Horsepower Rating:** ¼ HP at 120 VAC; ½ HP at 240 VAC. **Maximum Continuous Applied Voltage at 68°F:** (110% of rated voltage without overheating. **Minimum Operate Voltage at 68°F:** 80% of rated voltage. **Contact Rating (UL):** 10 A resistive, 7 A inductive at 240 VAC; 10 A resistive, 7 A inductive at 30 VDC.

Stock No.	Mfr.'s Type	Configuration	Rated Voltage	Rated Current* mA	Coil Resistance Ω	EACH		
						1-24	25-49	50-99
814-3051	RR2BA-UAC24V	DPDT	24 VAC	105.0	80	10.50	9.65	8.80
814-3053	RR2BA-UAC120V	DPDT	120 VAC	20.5	2100	10.50	9.65	8.80
814-3055	RR2BA-UDC12V	DPDT	12 VDC	120.0	100	10.05	9.19	8.40
814-3052	RR2BA-UDC24V	DPDT	24 VDC	60.0	400	10.05	9.19	8.40
814-3059	RR3B-UAC24V	3PDT	24 VAC	105.0	80	11.92	10.91	10.00
814-3060	RR3B-UAC120V	3PDT	120 VAC	20.5	2100	11.92	10.91	10.00
814-3062	RR3B-UDC12V	3PDT	12 VDC	120.0	100	11.01	10.10	9.25
814-3064	RR3B-UDC24V	3PDT	24 VDC	60.0	400	11.01	10.10	9.25
814-3079	RR2P-UAC24V	DPDT	24 VAC	105.0	80	14.49	13.28	12.15
814-3080	RR2P-UAC120V	DPDT	120 VAC	18.0	2100	13.79	12.68	11.55
814-3081	RR2P-UDC12V	DPDT	12 VDC	120.0	100	13.58	12.47	11.40
814-3082	RR2P-UDC24V	DPDT	24 VDC	60.0	400	13.58	12.47	11.40
814-3083	RR3PA-UAC24V	3PDT	24 VAC	105.0	80	16.82	15.40	14.10
814-3084	RR3PA-UAC120V	3PDT	120 VAC	18.0	2100	16.82	15.40	14.10
814-3086	RR3PA-UDC24V	3PDT	24 VDC	60.0	400	16.72	15.30	14.00
814-3056	RR2BA-ULAC120V†	DPDT	120 VAC	20.5	2100	12.73	11.67	10.65
814-3061	RR3B-ULAC120V†	3PDT	120 VAC	20.5	2100	14.09	12.93	11.80
814-3063	RR3B-ULDC24V†	3PDT	24 VDC	60.0	400	13.23	12.12	11.10
814-3082	RR2P-ULAC120V†	DPDT	120 VAC	20.5	2100	16.01	14.65	13.40
814-3087	RR2P-ULDC24V†	2PDT	24 VDC	60.0	400	15.71	14.39	13.15
814-3087	RR3PA-ULAC120V†	3PDT	120 VAC	20.5	2100	18.85	17.25	15.90

*Rated Current: ±15% at 20°C, 60 Hz. †Denotes with indicator light.

Sockets and Accessories



Snap-mount sockets are designed to mount on BNDN-1000 mounting rail. The built-in mounting clip eliminates mounting hardware and reduces mounting time by eighty percent. For spacing between adjoining sockets, use SA-406 DIN rail spacer. **Spacers:** 0.197" in width. Spacing can be adjusted according to the amount of spacers added. To prevent sideward movement, use BNL-5 end clip at each end of socket row.

To Mount: Place socket on mounting rail and press down.

To Remove: Pull clip out with screwdriver and lift socket.

Stock No.	Mfr.'s Type	Fits Series	Description	EACH		
				1-24	25-49	50-99
814-3100	SR2P-06	RR2P, RTE-P1	8-pin octal, snap-on rail mount	3.95	3.48	3.20
814-3101	SR3P-06	RR3PA, RTE-P2	11-pin octal, snap-on rail mount	6.22	5.66	5.15
814-3102	SR3B-05	RR2BA, RR3B, RTE-B	11-blade, snap-on rail mount	6.22	5.66	5.15
814-3023	SH2B-05	RH2B	Blade, snap-mount (rail mount)	5.51	4.90	4.50
814-3022	SY4S-05	RY4S	Blade, snap-mount (surface mount)	7.40	6.72	6.15
814-3103	BNDN-1000	—	Aluminum DIN mounting rail (1 meter)	6.78	6.16	5.60
814-3024	BNL-5	—	End clip	1.17	1.01	.95
814-3078	SA-406	—	DIN rail spacer	.48	.40	.38
814-3013	SH1B-05	RH1B	5-blade, snap-on, rail mount	4.42	3.94	3.60
814-3015	SH4B-05	RH4B	14-blade, snap-on, rail mount	8.06	7.32	6.70
814-3016	SY2S-05	RY2S	8-blade, snap-on, rail mount	4.42	3.94	3.60
814-3003	SR2P-05C	RR2P, RTE-P1	Finger-safe DIN rail mount, 8 pin	4.78	4.24	3.90
814-3004	SR3P-05C	RR3P, RR2KP, RTE-P2	Finger-safe DIN rail mount, 11 pin	7.45	6.76	6.15
814-3006	SR2P-51	RR2P, RTE-P1	Standard panel mount, 8 pin	1.11	.96	.86
814-3007	SR3P-51	RR3P, RR2KP, RTE-P2	Standard panel mount, 11 pin	1.22	1.06	.97
814-3008	SH1B-51	RH1B	5-blade panel mount	1.11	.96	.86
814-3092	SH1B-62	RH1B	5-blade PC mount	1.22	1.06	.97
814-3009	SH2B-51	RH2B	8-blade panel mount	1.22	1.06	.97
814-3093	SH2B-62	RH2B	8-blade PC mount	1.38	1.16	1.10
814-3010	SH2B-02	RH2B	8-blade surface mount	5.51	4.90	4.50
814-3014	SH3B-05	RH3B	11-blade DIN rail snap-mount	5.87	5.35	4.90
814-3011	SH3B-51	RH3B	11-blade panel mount	1.33	1.16	1.05
814-3012	SH3B-62	RH3B	11-blade PC mount	1.43	1.26	1.15
814-3017	SH4B-51	RH4B	14-blade panel mount	1.70	1.52	1.35
814-3019	SY2S-51	RY2S	8-blade panel mount	1.11	.96	.90
814-3020	SY4S-51	RY4S	14-blade panel mount	1.11	.96	.90
814-3021	SY4S-62	RY4S	14-blade PC mount	1.22	1.06	1.00