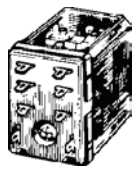
RH Series Midget Power Relays



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	EACH 25-49	EACH 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**

*Denotes with indicator light.

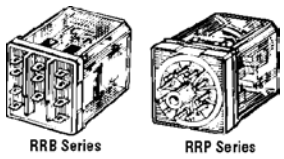
RY Series "Ice Cube" Relays

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	EACH 25-49	EACH 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

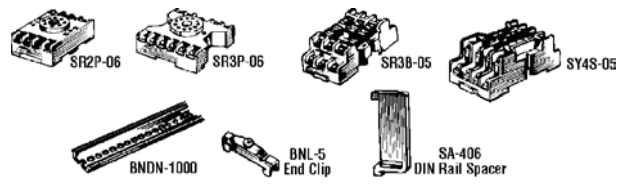


UL/CSA listed pin and blade type terminals and 10 amp capacity. **Specifications. Contact Material:** Silver. **Contact Resistance:** 30 MΩ max. (initial value). **Power Consumption:** AC — approx. 3 VA (50 Hz), 2.5 VA (60 Hz); DC — approx. 1.5 W. **Operating Frequency:** 1800 operations/hour. **Temperature 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:** 1/4 HP at 120 VAC; 1/3 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	EACH 25-49	EACH 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**
814-3002	RR2P-ULAC120V†	DPDT	120 VAC	20.5	2100	**16.01**	**14.65**	**13.40**
814-3097	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	EACH 25-49	EACH 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**