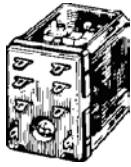


RH Series Midget Power Relays



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, 4PDT — 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

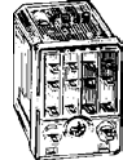
| | | | | | | | | |
|----------|---------------|------|---------|------|--------|-------|-------|-------|
| 814-3095 | RH2B-UTDC24V | DPDT | 24 VDC | 36.9 | 650.0 | 9.59 | 8.93 | 8.04 |
| 814-3054 | RH4B-UTAC120V | 4PDT | 120 VAC | 16.5 | 2220.0 | 12.73 | 11.67 | 10.65 |

PC Terminals

| | | | | | | | | |
|----------|--------------|------|--------|------|-------|------|------|------|
| 814-3050 | RH2V2-UDC24V | DPDT | 24 VDC | 36.9 | 650.0 | 7.85 | 7.12 | 6.50 |
|----------|--------------|------|--------|------|-------|------|------|------|

*Denotes with indicator light.

RY Series "Ice Cube" Relays

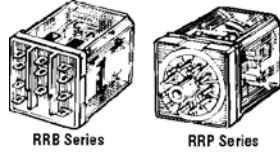


General purpose relay with 3 amp capacity on DPDT and 5 amp capacity on 4PDT, solder terminals and plug-in mounting. **Specifications.** Contact Material: Fine silver (gold-plated). **Contact Resistance:** 50 MΩ max. (initial value). **Operate Time:** 20 mS max. **Operating Temperature:** -22°F to +158°F (-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

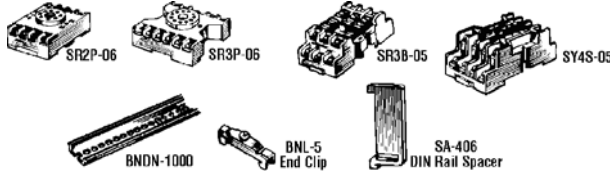


UL/CSA listed pin and blade type terminals and 10 amp capacity. **Specifications.** Contact Material: Silver. **Contact Resistance:** 30 MΩ max. (initial value). **Power Consumption:** AC — approx. 3 VA (50 Hz), 2.5 VA (60 Hz); DC — approx. 1.5 W. **Operating Frequency:** 1800 operations/hour. **Temperature 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; 1/8 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 | 16.91 | 14.65 | 13.40 |
| 814-3097 | RR2P-ULDC24V† | DPDT | 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 |