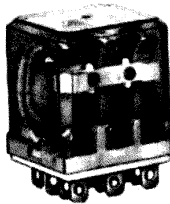


RH SERIES - COMPACT SIZE , 10A CONTACT RATING, 1, 2, 3, AND 4 POLES

Features

- Compact "midget" size package saves space
- Large switching capacity, (10A)
- Choice of blade or PCB style terminals
- Relay options include indicator light, check button and top mounting bracket
- DIN rail, surface, panel and PCB type sockets available for a wide range of mounting applications
- UL Recognized, CSA Certified, TUV approved, CE marked



RH Series - PC Terminal width .078" (2mm)

Style	Contact Config.	Basic	Indicator Light	Check Button	Top Bracket
B (Blade)	SPDT	RH1B-U	-	-	RH1B-UT
	DPDT	RH2B-U	RH2B-UL	RH2B-UC	RH2B-UT
	3PDT	RH3B-U	RH3B-UL	RH3B-UC	RH3B-UT
	4PDT	RH4B-U	RH4B-UL	RH4B-UC	RH4B-UT
V2 (PCB) 0.078" (2mm)	SPDT	RH1V2-U	-	-	-
	DPDT	RH2V2-U	RH2V2-UL	RH2V2-UC	-
	3PDT	RH3V2-U	RH3V2-UL	RH3V2-UC	-
	4PDT	RH4V2-U	RH4V2-UL	RH4V2-UC	-

NOTE: Add coil voltage to part number.

Coil Ratings - Coil Resistance

Rated Voltage	RH1 SPDT	RH2 DPDT	RH3 3PDT	RH4 4PDT
AC	6V	18.8Ω	9.4Ω	6.0Ω
	12V	76.8Ω	39.3Ω	25.3Ω
	24V	300Ω	153Ω	103Ω
	120V	7680Ω	4170Ω	2770Ω
	240V	-	15210Ω	12100Ω
DC	6V	47Ω	40Ω	25Ω
	12V	188Ω	160Ω	100Ω
	24V	750Ω	650Ω	400Ω
	48V	2660Ω	2600Ω	1600Ω
	110V	-	12100Ω	8600Ω

NOTE: Add coil voltage to part number.

Sockets

Type	Sockets	Hold-Down Spring Clip
RH1B	*SH1B-05 - Din Mount	SY2S-02F1/SFA-202
	SH1B-51 - Panel Mount	SY4S-51F1
	SH1B-62 - PC Mount	SY4S-51F1
RH2B	*SH2B-05 - Din Mount	SY4S-02F1/SFA-202
	SH2B-51 - Panel Mount	SY4S-51F1
	SH2B-62 - PC Mount	SY4S-51F1
RH3B	*SH3B-05 - Din Mount	SY3B-05F1/SFA-202
	SH3B-51 - Panel Mount	SY4S-51F1
	SH3B-62 - PC Mount	SY4S-51F1
RH4B	*SH4B-05 - Din Mount	SY4B-02F1/SFA-202
	SH4B-51 - Panel Mount	SY4S-51F1
	SH4B-62 - PC Mount	SY4S-51F1

Accessories: BNDN-1000 Aluminum DIN rail
BNL-5 Metal end clip

* Also available in finger-safe sockets.

Contact Ratings and Specifications

Contact Material: Silver cadmium oxide (AgCdO)

Contact Resistance: 50 mΩ maximum (initial value)

Operating Time: SPDT (RH1), DPDT (RH2) — 20 msec maximum

3PDT (RH3), 4PDT (RH4) — 25 msec maximum

Release Time: SPDT (RH1), DPDT (RH2) — 20 msec maximum

3PDT (RH3), 4PDT (RH4) — 25 msec maximum

Power Consumption (approx.):

SPDT (RH1) — AC: 1 VA (60 Hz), DC: 0.8 W

DPDT (RH2) — AC: 1.2 VA (60 Hz), DC: 0.9 W

3PDT (RH3) — AC: 1.7 VA (60 Hz), DC: 1.5 W

4PDT (RH4) — AC: 2 VA (60 Hz), DC: 1.5 W

Insulation Resistance: 100 MΩ minimum (with 500V DC megger)

Dielectric Strength: SPDT (RH1)

Between live and non-live parts- 2000V AC, 1 minute

Between contact circuit and operating coil- 2000V AC, 1 minute

Between contacts of the same pole- 1000V AC, 1 minute

DPDT (RH2), 3PDT (RH3), 4PDT (RH4)

Between live and non-live parts- 2000V AC, 1 minute

Between contact circuit and operating coil- 2000V AC, 1 minute

Between contact circuits- 2000V AC, 1 minute

Between contacts of the same pole- 1000V AC, 1 minute

Frequency Response: 1800 operations/hour

Temperature Rise: Coil 85° maximum, Contact-65° maximum

Vibration Resistance: 0 to 6G (55 Hz) max.

Shock Resistance:

SPDT (RH1), DPDT (RH2) — 20G

3PDT (RH3), 4PDT (RH4) — 10G

Electrical Life: 500,000 operations minimum (120V AC, 10A)

Mechanical Life: 50,000,000 operations minimum

Operating Temperature: -22°F to +158°F (-30°C to 70°C)

Weight (approx.): RH1-24g, RH2-37g, RH3-50g, RH4-74g

Internal Circuit

