

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



E-SWITCH®

SERIES R4 SWITCHES

ROCKER SWITCHES - ILLUMINATED

**FEATURES & BENEFITS**

- ▶ Fully illuminated actuator option
- ▶ Neon & incandescent lamp options

APPLICATIONS/MARKETS

- ▶ Industrial
- ▶ Audio/visual
- ▶ Lighting ballast

SPECIFICATIONS

Contact Rating*: Versions D,G,I - 10A @ 250V, 15A @ 125V AC
Versions A,B,C,E,F,H,J-16A @ 250V, 20A @ 125V AC

Life Expectancy (Mechanical): 30,000 cycles

Life Expectancy (Electrical): 6,000 cycles

Contact Resistance: 20 mΩ max. typical initial @ 2-4 VDC

Insulation Resistance: >1,000MΩ

Dielectric Strength: >1,500V 1 minute between terminals

Safety Std. Approval: UL, VDE

Operating Temp: -20°C to 55°C

MATERIALS

Body: Nylon 6/6 (UL94 V-2)

Rocker: Nylon 6/6 (UL94 V-2)

Contact Surface: Silver over nickel alloy

Terminal: Silver plated copper alloy

Illuminated Rockers: Neon lamp or Incandescent bulb

HOW TO ORDER

SERIES R4	CIRCUIT	HOUSING COLOR	ACTUATOR COLOR	DOT LENS COLOR	MARKING	TERMINATION	LAMP VOLTAGE
	See Below	BLK = Black WHT = White GRY = Grey	BLK = Black WHT = White RED = Red RIL = Red ILL* GIL = Green ILL* YIL = Yellow ILL*	RED = Red ** GRN = Green ** YEL = Yellow **	A B C D E F G H I J K L	F = Faston	0 = No Lamp 1 = 125V AC ¹ 2 = 250V AC ¹ 3 = 12V DC ² 4 = 24V DC ²

CIRCUIT CODE:

- A = SPST On-Off
- B = SPST On-Off Dot Illuminated
- C = SPDT On-On
- D = SPDT On-Off-On
- E = SPDT On-(On)
- F = SPST Off-(On)
- G = SPDT (On)-Off-(On)
- H = SPST On-(Off)
- I = SPDT On-Off-(On)
- J = SPST On-Off Fully Illuminated

() = Momentary

**Example Ordering Number**

R4-B-BLK-BLK-YEL-E-F-2

* To be used with the "J" circuit only

** To be used with the "B" circuit only

Specifications subject to change without notice.

TACT
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESTOGGLE
SWITCHESROCKER
SWITCHESSLIDE
SWITCHESSNAP-ACTION
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESROTARY
SWITCHESDETECTOR
SWITCHESCAP
OPTIONS



SERIES R4 SWITCHES

ROCKER SWITCHES - ILLUMINATED

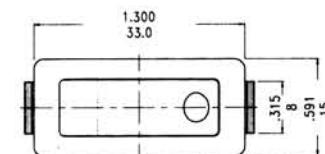
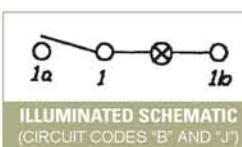
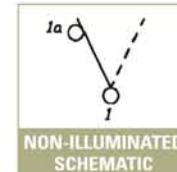
TACT
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OPTIONS

SPST



Circuit Code	POS 1	POS 2
A	ON	OFF
B	ON	OFF
F	(ON)	OFF
H	ON	(OFF)
J	ON	OFF
Term. Comm.	1-1a	OPEN

() = Momentary

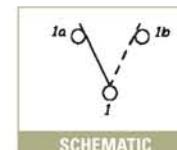


SPDT

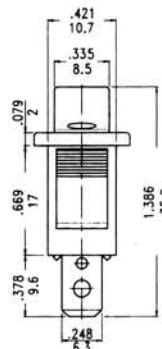
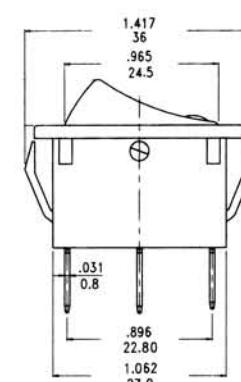


Circuit Code	POS 1	POS 2	POS 3
C	ON	NONE	ON
D	ON	OFF	ON
E	ON	NONE	(ON)
G	(ON)	OFF	(ON)
I	ON	OFF	(ON)
Term. Comm.	1-1a	OPEN	1-1b

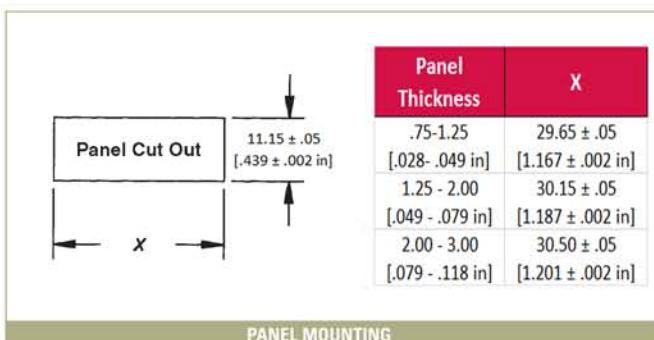
() = Momentary



NOTE: Illumination not available
for SPDT versions.

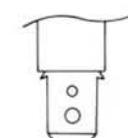


TERMINATION OPTIONS



Panel Thickness	X
.75-1.25 [.028-.049 in]	29.65 ± .05 [1.167 ± .002 in]
1.25-2.00 [.049-.079 in]	30.15 ± .05 [1.187 ± .002 in]
2.00-3.00 [.079-.118 in]	30.50 ± .05 [1.201 ± .002 in]

F FASTON



0.81 (.032) THK terminals designed for Quick Connect connectors available from AMP Industries, Harrisburg, PA 17105. (Or equivalent).

MARKING OPTIONS

