

# SERIES R5 SWITCHES

## ROCKER SWITCHES - ILLUMINATED



E-SWITCH®



### FEATURES & BENEFITS

- ▶ Fully illuminated actuator option
- ▶ DPDT (double pole, double throw)
- ▶ Snap-in panel mount

### APPLICATIONS/MARKETS

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

### SPECIFICATIONS

|                               |                                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------------|
| Contact Rating*:              | Versions D,G,I - 10A @ 250V, 15A @ 125V AC<br>Versions A,B,C,E,F,H - 16A @ 250V, 20A @ 125V AC |
| Life Expectancy (Mechanical): | 30,000 cycles                                                                                  |
| Life Expectancy (Electrical): | 10,000 cycles                                                                                  |
| Contact Resistance:           | 20 mΩ (Initial)                                                                                |
| Insulation Resistance:        | >1,000M Ω @ 500V DC                                                                            |
| Dielectric Strength:          | >1,500V AC 1 minute (Initial)                                                                  |
| Safety Std. Approval:         | UL, CSA, VDE                                                                                   |
| Operating Temp:               | -20°C to 55°C                                                                                  |

### MATERIALS

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Body:                | Nylon 6/6 (UL94 V-2)                              |
| Rocker:              | Nylon 6/6, PC for illuminated versions (UL94 V-2) |
| Contact Surface:     | Silver nickel alloy                               |
| Terminal:            | Silver plated brass                               |
| Illuminated Rockers: | Neon lamp or Incandescent bulb                    |



### HOW TO ORDER

| SERIES<br>R5 | CIRCUIT                                                                                                                                                                                                                                                | HOUSING<br>COLOR           | ACTUATOR<br>COLOR                                                                                                    | MARKING                              | TERMINATION | LAMP<br>VOLTAGE                                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | See Below                                                                                                                                                                                                                                              | BLK = Black<br>WHT = White | BLK = Black<br>WHT = White<br>RED = Red<br>*YEL = Yellow<br>*GRN = Green<br>GRY = Gray<br>ORG = Orange<br>*RED = Red | A<br>B<br>C<br>E<br>F<br>G<br>H<br>I | F = Faston  | 0 = No Lamp<br>1 = 125V AC <sup>1</sup><br>2 = 250V AC <sup>1</sup><br>3 = 12V DC <sup>2</sup><br><br><sup>1</sup> Neon Bulb<br><sup>2</sup> Incandescent Bulb |
|              | <b>CIRCUIT CODE:</b><br>A = DPST On-Off<br>B = DPST On-Off Illuminated<br>C = DPDT On-On<br>D = DPDT On-Off-On<br>E = DPDT On-(On)<br>F = DPST Off-(On)<br>G = DPDT (On)-Off-(On)<br>H = DPDT On-None-(Off)<br>I = DPDT On-Off-(On)<br>( ) = Momentary |                            |                                                                                                                      |                                      |             |                                                                                                                                                                |



### Example Ordering Number

R5-C-WHT-BLK-C-F-3

Specifications subject to change without notice.

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

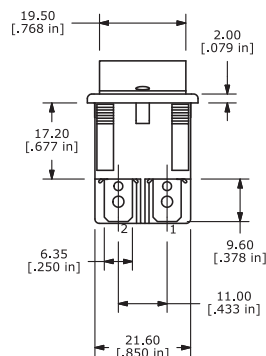
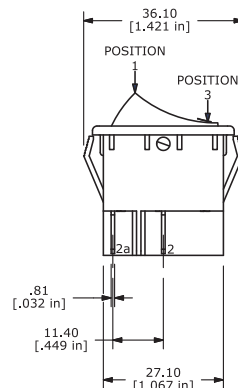
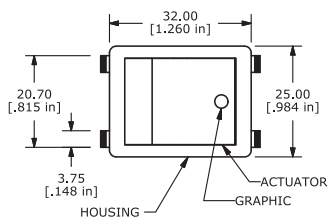
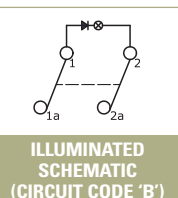
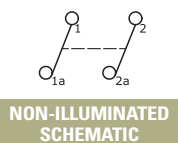
## DPST



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

| Circuit Code  | POS 1 OFF | POS 2 | POS 3 RUN |
|---------------|-----------|-------|-----------|
| J - Circuit 1 | OFF       | ON    | ON        |
| J - Circuit 2 | OFF       | OFF   | (ON)      |

( ) = Momentary

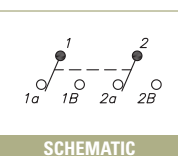


## DPDT



| 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, 2-2a | OPEN  | 1-1b  |

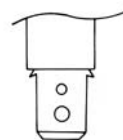
( ) = Momentary



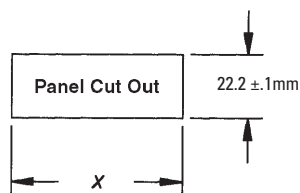
NOTE: Illumination not available for DPDT versions.

## TERMINATION OPTIONS

## F FASTON



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



| Panel Thickness             | X mm (inch)       |
|-----------------------------|-------------------|
| .75 - 1.25 (.030) - (.049)  | 30.0 ± .2 (1.181) |
| 1.25 - 2.00 (.049) - (.079) | 30.2 ± .2 (1.189) |
| 2.00 - 3.00 (.079) - (.118) | 30.6 ± .2 (1.205) |

## PANEL MOUNTING

## MARKING OPTIONS

