

## Series PRA, PRB and PRD

### Product Facts

- Full line of single or double-pole power rocker switches for three different industry compatible panel cut-out sizes
- Easy to install snap-in mounting
- Dust resistant
- Dual color rocker option
- Full-illuminated rocker option
- LED or neon window illuminated option
- Wide range of marking options and functions available
- Solder lugs or .187 & .250 FASTON Tab terminals
- Cost competitive

### Electrical Characteristics

**Current:** 16A@125 VAC 1/3 HP

10A@250 VAC 1/2 HP

**PRA Series Double Pole:**

7A@125 VAC

6A@250 VAC

**PRA Series Single Pole:**

6 (3)A 250V ~ 10A 125V ~

μ 25T85

**Inrush Current:** 50A/3msec

(capacitive load)

**Contact Resistance (initial):** <50m

Ohms

**Dielectric Strength (initial):** >1000

VAC, 1 min.

**Insulation Resistance (initial):**

>100Mohms min.

**Electrical Life Endurance:**

>6000 operations

Voltage drop <100 mV

### Mechanical Characteristics

**Operating Life Endurance:** up to

>100,000 operations

**Actuating Force:**

Series PRA 150g min., 650g max.

Series PRB 300g min., 700g max.

Series PRD 850g min., 1250g max.



### Materials and Finish

**Housing:** Nylon 6/6 UL 94V-2

**Rocker:** Nylon 6/6 UL 94V-2 or

Polycarbonate UL 94V-2

**Contact:** Silver-tin Oxide

**Terminals, Active Contactor:** Silver

plated copper alloy

**Plunger:** Nickel plated copper alloy

**Spring:** Steel Wire

### Standards & Specs

UL Approved - File No. E46765

ENEC/VDE approval - File No.

40006757 (PRA Single Pole Series

only)

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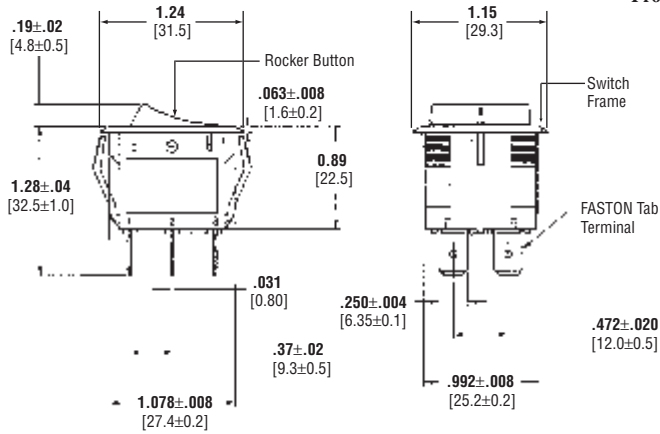


## 1.00 [25.4] x 1.09 [27.6] Panel Cutout



### Product Facts

- Easy to install snap-in mounting
- Full illuminated rocker option
- Wide range of marking options and functions available
- FASTON .250 Tab terminals
- Cost competitive



\* Refer to Pages F21 for Product Specifications

### Alcoswitch Part Number

|                                                                                 |    |   |   |    |    |   |   |   |   |   |   |
|---------------------------------------------------------------------------------|----|---|---|----|----|---|---|---|---|---|---|
| <b>Switch Type</b>                                                              | PR | D | D | XX | XX | X | X | X | X | X | X |
| PR Power Rockers                                                                |    |   |   |    |    |   |   |   |   |   |   |
| <b>Panel Cut-out Size</b>                                                       |    |   |   |    |    |   |   |   |   |   |   |
| B 1.00 [25.4] x 1.09 [27.6]                                                     |    |   |   |    |    |   |   |   |   |   |   |
| <b>Number of Poles</b>                                                          |    |   |   |    |    |   |   |   |   |   |   |
| S Double Pole                                                                   |    |   |   |    |    |   |   |   |   |   |   |
| <b>Switch Functions</b>                                                         |    |   |   |    |    |   |   |   |   |   |   |
| A1 ON-OFF; opaque, single-color rocker button                                   |    |   |   |    |    |   |   |   |   |   |   |
| B1 ON-OFF; transparent, lamp-illuminated rocker button (100-125 V lamp voltage) |    |   |   |    |    |   |   |   |   |   |   |
| B3 ON-OFF; transparent, lamp-illuminated rocker button (200-250 V lamp voltage) |    |   |   |    |    |   |   |   |   |   |   |
| D1 ON-ON; opaque, single-color rocker button                                    |    |   |   |    |    |   |   |   |   |   |   |
| D3 ON-OFF-ON; opaque, single-color rocker button                                |    |   |   |    |    |   |   |   |   |   |   |
| <b>Power Rating</b>                                                             |    |   |   |    |    |   |   |   |   |   |   |
| 16 16A, 1/3 Hp @ 125 VAC                                                        |    |   |   |    |    |   |   |   |   |   |   |
| 10A, 1/2 Hp @ 250 VAC                                                           |    |   |   |    |    |   |   |   |   |   |   |
| <b>Terminal Type</b>                                                            |    |   |   |    |    |   |   |   |   |   |   |
| F FASTON Tab                                                                    |    |   |   |    |    |   |   |   |   |   |   |
| <b>Legend Text Color</b>                                                        |    |   |   |    |    |   |   |   |   |   |   |
| 0 Not Applicable                                                                |    |   |   |    |    |   |   |   |   |   |   |
| B Black                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| G Green                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| R Red                                                                           |    |   |   |    |    |   |   |   |   |   |   |
| W White                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| <b>Legend Text Pattern</b>                                                      |    |   |   |    |    |   |   |   |   |   |   |
| 0 Not Applicable                                                                |    |   |   |    |    |   |   |   |   |   |   |
| A Dot                                                                           |    |   |   |    |    |   |   |   |   |   |   |
| B o - -                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| C o                                                                             |    |   |   |    |    |   |   |   |   |   |   |
| D - =                                                                           |    |   |   |    |    |   |   |   |   |   |   |
| E                                                                               |    |   |   |    |    |   |   |   |   |   |   |
| F - o =                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| G   o                                                                           |    |   |   |    |    |   |   |   |   |   |   |
| H ON OFF                                                                        |    |   |   |    |    |   |   |   |   |   |   |
| <b>Secondary Rocker Color, Window Color, or LED Color</b>                       |    |   |   |    |    |   |   |   |   |   |   |
| 0 Not Applicable                                                                |    |   |   |    |    |   |   |   |   |   |   |
| <b>Rocker Color</b>                                                             |    |   |   |    |    |   |   |   |   |   |   |
| A Amber                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| B Black                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| C Clear                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| G Green                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| R Red                                                                           |    |   |   |    |    |   |   |   |   |   |   |
| W White                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| <b>Frame Color</b>                                                              |    |   |   |    |    |   |   |   |   |   |   |
| B Black                                                                         |    |   |   |    |    |   |   |   |   |   |   |
| W White                                                                         |    |   |   |    |    |   |   |   |   |   |   |

### Part No.

| Tyco Electronics | Alcoswitch       | Tyco Electronics | Alcoswitch       |
|------------------|------------------|------------------|------------------|
| 1571103-1        | PRDDA1-16F-BB000 | 1571112-1        | PRddb1-16F-BR000 |
| 1571103-2        | PRDDA1-16F-BB0BW | 1571112-2        | PRddb1-16F-BA000 |
| 1571103-3        | PRDDA1-16F-BB0CW | 1571113-1        | PRDDD1-16F-BB000 |
| 1571103-4        | PRDDA1-16F-BR000 | 1571113-2        | PRDDD1-16F-BB0DW |
| 1571103-5        | PRDDA1-16F-BB0HW | 1571113-3        | PRDDD1-16F-BB0EW |
| 1571103-6        | PRDDA1-16F-BR0HW | 1571113-4        | PRDDD3-16F-BB000 |
| 1571113-7        | PRDDD3-16F-BR000 | 1571113-5        | PRDDD3-16F-BB0FW |
|                  |                  | 1571113-6        | PRDDD3-16F-BB0GW |