

## 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

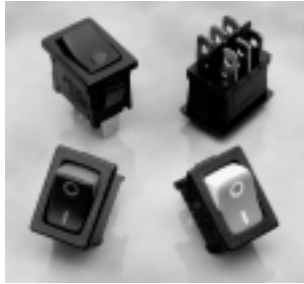
UL Approved - File No. E46765

ENEC/VDE approval - File No.

40006757 (PRA Single Pole Series

only)

**.51 [13.0] x .76 [19.2] Panel Cutout**



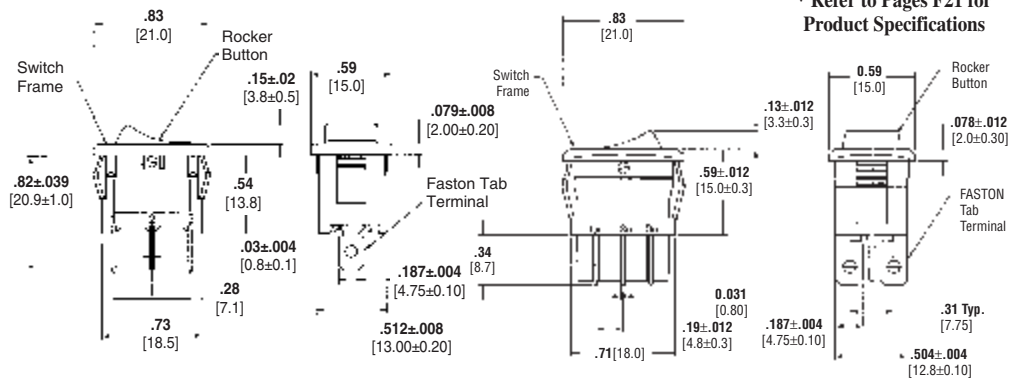
**Product Facts**

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- Dust resistant
- Dual color rocker option
- Full-illuminated rocker option
- LED or neon window illuminated option
- Wide range of marking options and functions available
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- Cost competitive

**Single-Pole, Lamp Illuminated or Non-Illuminated**

**Double-Pole, Non-Illuminated**

\* Refer to Pages F21 for Product Specifications



Non-Illuminated Version Shown

**Alcoswitch Part Number**

|                                                                                                                                      |                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Switch Type</b><br>PR Power Rockers                                                                                               | <b>Panel Cut-out Size</b><br>A .51 [13.0] x .76 [19.2] | <b>Number of Poles</b><br>S Single Pole<br>D Double Pole | <b>Switch Functions</b><br>A1 ON-OFF; opaque, single-color rocker button<br>A2 ON-OFF; opaque, dual-color rocker button<br>A3 (ON)-OFF; opaque, single-color rocker button<br>B1 ON-OFF; transparent, lamp-illuminated rocker button (100-125 V lamp voltage)<br>B2 ON-OFF; opaque, with lamp window, lamp-illuminated rocker button (100-125 V lamp voltage)<br>B3 ON-OFF; transparent, lamp-illuminated rocker button (200-250 V lamp voltage)<br>B4 ON-OFF; opaque, with lamp window, lamp-illuminated rocker button (200-250 V lamp voltage)<br>C1 ON-OFF; opaque, with LED window, LED-illuminated rocker button<br>D1 ON-ON; opaque, single-color rocker button<br>D2 ON-(ON); opaque, single-color rocker button<br>D3 ON-OFF-ON; opaque, single-color rocker button<br>D4 ON-OFF-(ON); opaque, single-color rocker button | <b>Power Rating</b><br>07 7A @ 125 VAC; 6A @ 250 VAC (Double-pole only)<br>16 16A, 1/3 Hp @ 125 VAC (Single-pole only)<br>10A, 1/2 Hp @ 250 VAC<br>10A 125V~ 6 (3)A 250V~<br>μ 25T85 |
| <b>Legend Text Color</b><br>0 Not Applicable R Red<br>B Black W White<br>G Green                                                     |                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                      |
| <b>Legend Text Pattern</b><br>0 Not Applicable E     <br>A Dot F ~ o =<br>B o ~ G   o   <br>C o   H ON OFF<br>D ~ = J o-             |                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                      |
| <b>Secondary Rocker Color, Window Color, or LED Color</b><br>0 Not Applicable C Clear<br>A Amber G Green<br>B Black R Red<br>W White |                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                      |
| <b>Rocker Color</b><br>A Amber G Green<br>B Black R Red<br>C Clear W White                                                           |                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                      |
| <b>Frame Color</b><br>B Black<br>W White                                                                                             |                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                      |
| <b>Terminal Type</b><br>F FASTON Tab<br>L Solder Lug                                                                                 |                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                      |

**Part No.**

| Tyco Electronics | Alcoswitch       |
|------------------|------------------|
| 1571076-9        | PRASA1-16F-BB000 |
| 1-1571076-0      | PRASA1-16F-BB0BW |
| 1-1571076-1      | PRASA1-16F-BB0CW |
| 1-1571076-2      | PRASA1-16L-BB000 |
| 1-1571076-3      | PRASA1-16L-BB0BW |
| 1-1571076-4      | PRASA1-16L-BB0CW |
| 1-1571076-5      | PRASA1-16F-BR000 |
| 1-1571076-6      | PRASA1-16L-BR000 |
| 1-1571076-7      | PRASA2-16F-BBRBR |
| 2-1571076-0      | PRASA1-16F-BB0HW |
| 2-1571076-1      | PRASA3-16F-BB0JW |
| 1571078-2        | PRASB1-16F-BR000 |
| 1571078-4        | PRASB2-16F-BBR00 |
| 1571079-4        | PRASD1-16F-BB000 |
| 1571079-5        | PRASD1-16F-BB0DW |
| 1571079-6        | PRASD1-16F-BB0EW |

| Tyco Electronics | Alcoswitch       |
|------------------|------------------|
| 1571079-7        | PRASD3-16F-BB000 |
| 1571079-8        | PRASD3-16F-BB0FW |
| 1571079-9        | PRASD3-16F-BB0GW |
| 1-1571079-0      | PRASD2-16F-BB000 |
| 1-1571079-1      | PRASD2-16F-BB0DW |
| 1-1571079-2      | PRASD2-16F-BB0EW |
| 1-1571079-3      | PRASD4-16F-BB000 |
| 1-1571079-4      | PRASD4-16F-BB0FW |
| 1-1571079-5      | PRASD4-16F-BB0GW |
| 1571083-2        | PRASC1-16F-BBR00 |
| 1571084-1        | PRADA1-07F-BB000 |
| 1571084-2        | PRADA1-07F-BB0BW |
| 1571084-3        | PRADA1-07F-BB0CW |
| 1571084-4        | PRADA1-07F-BR000 |

| Tyco Electronics | Alcoswitch       |
|------------------|------------------|
| 1571084-5        | PRADA1-07F-BR0BW |
| 1571086-1        | PRADD1-07F-BB000 |
| 1571086-2        | PRADD1-07F-BB0DW |
| 1571086-3        | PRADD1-07F-BB0EW |
| 1571086-4        | PRADD3-07F-BB000 |
| 1571086-5        | PRADD3-07F-BB0FW |
| 1571086-6        | PRADD3-07F-BB0GW |
| 1571086-7        | PRADD2-07F-BB000 |
| 1571086-8        | PRADD2-07F-BB0DW |
| 1571086-9        | PRADD2-07F-BB0EW |
| 1-1571086-0      | PRADD4-07F-BB000 |
| 1-1571086-1      | PRADD4-07F-BB0FW |
| 1-1571086-2      | PRADD4-07F-BB0GW |

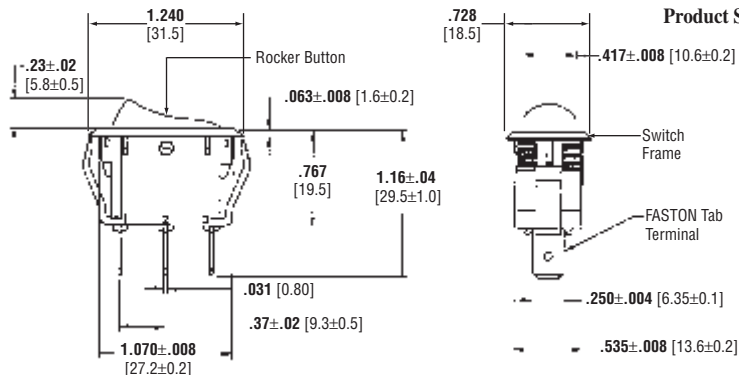
**PVC Waterproof Cover: 1571786-1**

**.54 [13.8] x 1.09 [27.6] Panel Cutout**



**Product Facts**

- Easy to install snap-in mounting
- Dual color rocker option
- Full-illuminated rocker option
- Lamp window illuminated option
- Wide range of marking options and functions available
- Solder lugs or .250 FASTON Tab terminals
- Cost competitive



\* Refer to Pages F21 for Product Specifications

**Alcoswitch Part Number**

|                                        |                                                         |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |                                                      |                                                                                  |                                                                                                                       |                                                                                                                                      |                                                                            |                                          |
|----------------------------------------|---------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------|
| <b>Switch Type</b><br>PR Power Rockers | <b>Panel Cut-out Size</b><br>B .54 [13.8] x 1.09 [27.6] | <b>Number of Poles</b><br>S Single Pole | <b>Switch Functions</b><br>A1 ON-OFF; opaque, single-color rocker button<br>A2 ON-OFF; opaque, dual-color rocker button<br>B1 ON-OFF; transparent, lamp-illuminated rocker button (100-125 V lamp voltage)<br>B3 ON-OFF; transparent, lamp-illuminated rocker button (200-250 V lamp voltage)<br>C1 ON-OFF; opaque, with LED window, LED-illuminated rocker button<br>D1 ON-ON; opaque, single-color rocker button<br>D3 ON-OFF-ON; opaque, single-color rocker button | <b>Power Rating</b><br>16 16A, 1/3 Hp @ 125 VAC<br>10A, 1/2 Hp @ 250 VAC | <b>Terminal Type</b><br>F FASTON Tab<br>L Solder Lug | <b>Legend Text Color</b><br>0 Not Applicable R Red<br>B Black W White<br>G Green | <b>Legend Text Pattern</b><br>0 Not Applicable E    <br>A Dot F -- o =<br>B o -- G   o   <br>C o   H ON OFF<br>D -- = | <b>Secondary Rocker Color, Window Color, or LED Color</b><br>0 Not Applicable C Clear<br>A Amber G Green<br>B Black R Red<br>W White | <b>Rocker Color</b><br>A Amber G Green<br>B Black R Red<br>C Clear W White | <b>Frame Color</b><br>B Black<br>W White |
|----------------------------------------|---------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------|

**Part No.**

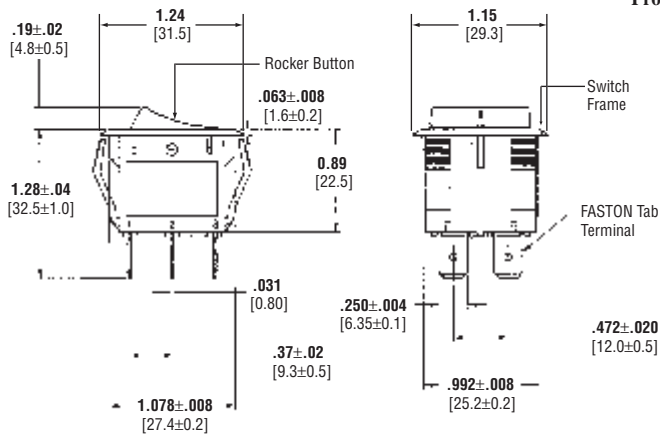
| Tyco Electronics | Alcoswitch       | Tyco Electronics | Alcoswitch       |
|------------------|------------------|------------------|------------------|
| 1571087-1        | PRBSC1-16F-BBR00 | 1571092-1        | PRBSB1-16F-BR000 |
| 1571087-2        | PRBSC1-16L-BBR00 | 1571092-2        | PRBSB1-16F-BR0BW |
| 1571091-1        | PRBSA1-16F-BB000 | 1571092-3        | PRBSB1-16F-BA000 |
| 1571091-2        | PRBSA1-16F-BB0BW | 1571092-4        | PRBSB1-16F-BC000 |
| 1571091-3        | PRBSA1-16F-BB0CW | 1571094-1        | PRBSD1-16F-BB000 |
| 1571091-4        | PRBSA1-16L-BB000 | 1571094-2        | PRBSD1-16F-BB0DW |
| 1571091-5        | PRBSA1-16L-BB0BW | 1571094-3        | PRBSD1-16F-BB0EW |
| 1571091-6        | PRBSA1-16L-BB0CW | 1571094-4        | PRBSD3-16F-BB000 |
| 1571091-7        | PRBSA1-16F-BR000 | 1571094-5        | PRBSD3-16F-BB0FW |
| 1571091-8        | PRBSA1-16L-BR000 | 1571094-6        | PRBSD3-16F-BB0GW |
| 1571091-9        | PRBSA1-16F-BB0HW | 1571094-7        | PRBSD3-16F-BW000 |
| 1-1571091-0      | PRBSA1-16F-BR0HW |                  |                  |
| 1-1571091-1      | PRBSA1-16F-BW000 |                  |                  |
| 1-1571091-2      | PRBSA1-16F-BW0HB |                  |                  |

## 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 |