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**
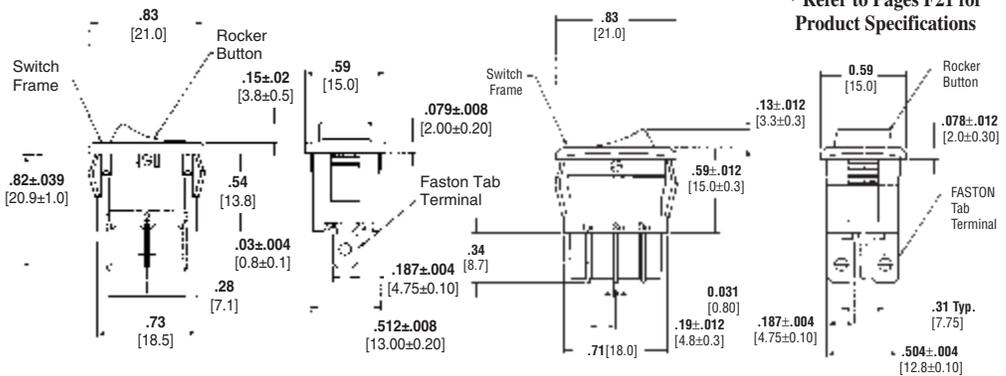- **Easy to install snap-in mounting**
- **Dust resistant**
- **Dual color rocker option**
- **Full-illuminated rocker option**
- **LED or neon window illuminated option**
- **Wide range of marking options and functions available**
- **Solder lugs or .187 & .250 FASTON Tab terminals**
- **Cost competitive**

Series PRA
.51 [13.0] x .76 [19.2]
Panel Cut-out

Photo 112300-1

Series PRD
1.00 [25.4] x 1.09 [27.6]
Panel Cut-out

Photo 112302

Series PRB
.54 [13.8] x 1.09 [27.6]
Panel Cut-out

Photo 112301-1

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)

F

Power Rocker Switches

Catalog 1308390
Issued 9-04

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses or brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

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

Single-Pole, Lamp Illuminated or Non-Illuminated

Double-Pole, Non-Illuminated

* Refer to Pages F21 for Product Specifications

Single-Pole dimensions:

- .83 [21.0]
- Switch Frame
- Rocker Button
- .15±.02 [3.8±0.5]
- .59 [15.0]
- .079±.008 [2.00±0.20]
- Faston Tab Terminal
- .82±.039 [20.9±1.0]
- .54 [13.8]
- .03±.004 [0.8±0.1]
- .28 [7.1]
- .73 [18.5]
- .187±.004 [4.75±0.10]
- .512±.008 [13.00±0.20]

Non-Illuminated Version Shown

Double-Pole dimensions:

- .83 [21.0]
- Switch Frame
- .13±.012 [3.3±0.3]
- .59 [15.0]
- Rocker Button
- .59±.012 [15.0±0.3]
- 0.59 [15.0]
- .078±.012 [2.0±0.30]
- FASTON Tab Terminal
- .34 [8.7]
- 0.031 [0.80]
- .19±.012 [4.8±0.3]
- .187±.004 [4.75±0.10]
- .71 [18.0]
- .187±.004 [4.75±0.10]
- .504±.004 [12.8±0.10]
- .31 Typ. [7.75]

Product Facts

- n **Easy to install snap-in mounting**
- n **Dust resistant**
- n **Dual color rocker option**
- n **Full-illuminated rocker option**
- n **LED or neon window illuminated option**
- n **Wide range of marking options and functions available**
- n **Solder lugs or .187 FASTON Tab terminals**
- n **Cost competitive**

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Power Rocker Switches Series PRA

Alcoswitch Part Number

```
PR  A  X  XX — XX  X — X  X  X  X  X
```

Switch Type
PR Power Rockers

Panel Cut-out Size
A .51 [13.0] x .76 [19.2]

Number of Poles
S Single Pole
D Double Pole

Switch Functions
A1 ON-OFF; opaque, single-color rocker button
A2 ON-OFF; opaque, dual-color rocker button
A3 (ON)-OFF; opaque, single-color rocker button
B1 ON-OFF; transparent, lamp-illuminated rocker button (100-125 V lamp voltage)
B2 ON-OFF; opaque, with lamp window, lamp-illuminated rocker button (100-125 V lamp voltage)
B3 ON-OFF; transparent, lamp-illuminated rocker button (200-250 V lamp voltage)
B4 ON-OFF; opaque, with lamp window, lamp-illuminated rocker button (200-250 V lamp voltage)
C1 ON-OFF; opaque, with LED window, LED-illuminated rocker button
D1 ON-ON; opaque, single-color rocker button
D2 ON-(ON); opaque, single-color rocker button
D3 ON-OFF-ON; opaque, single-color rocker button
D4 ON-OFF-(ON); opaque, single-color rocker button

Power Rating
07 7A @ 125 VAC; 6A @ 250 VAC (Double-pole only)
16 16A, 1/3 Hp @ 125 VAC (Single-pole only)
10A, 1/2 Hp @ 250 VAC
10A 125V~ 6 (3)A 250V~
μ 25T85

Terminal Type
F FASTON Tab
L Solder Lug

Frame Color
B Black
W White

Rocker Color
A Amber   G Green
B Black   R Red
C Clear   W White

Secondary Rocker Color, Window Color, or LED Color
0 Not Applicable   C Clear
A Amber   G Green
B Black   R Red
                    W White

Legend Text Pattern
0 Not Applicable   E l ll
A Dot   F -- o =
B o --   G l o ll
C o l   H ON OFF
D -- =   J o-

Legend Text Color
0 Not Applicable   R Red
B Black   W White
G Green

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

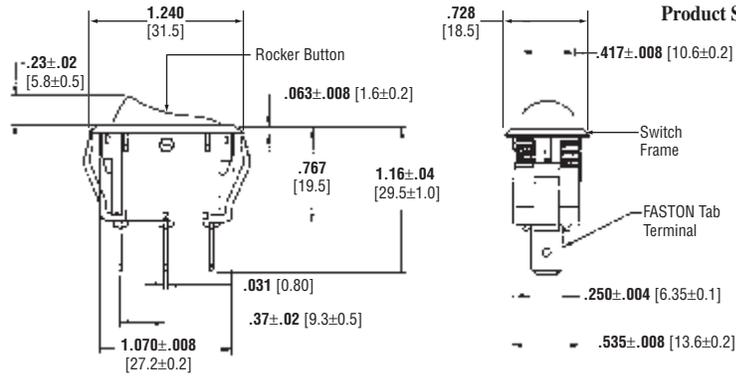| Tyco Electronics	Alcoswitch
1571084-5	PRADA1-07F-BR0BW
1571086-1	PRADD1-07F-BB000
1571086-2	PRADD1-07F-BB0DW
1571086-3	PRADD1-07F-BB0EW
1571086-4	PRADD3-07F-BB000
1571086-5	PRADD3-07F-BB0FW
1571086-6	PRADD3-07F-BB0GW
1571086-7	PRADD2-07F-BB000
1571086-8	PRADD2-07F-BB0DW
1571086-9	PRADD2-07F-BB0EW
1-1571086-0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

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

* Refer to Pages F21 for Product Specifications

Dimensions shown:
1.240 [31.5]
-.23±.02 [5.8±0.5]
Rocker Button
.063±.008 [1.6±0.2]
.767 [19.5]
1.16±.04 [29.5±1.0]
.031 [0.80]
.37±.02 [9.3±0.5]
1.070±.008 [27.2±0.2]
.728 [18.5]
.417±.008 [10.6±0.2]
Switch Frame
FASTON Tab Terminal
.250±.004 [6.35±0.1]
.535±.008 [13.6±0.2]

Alcoswitch Part Number

```
           PR  B  S  XX — XX  X — X  X  X  X  X
```

Switch Type
PR   Power Rockers

Panel Cut-out Size
B   .54 [13.8] x 1.09 [27.6]

Number of Poles
S   Single Pole

Switch Functions
A1   ON-OFF; opaque, single-color rocker button
A2   ON-OFF; opaque, dual-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)
C1   ON-OFF; opaque, with LED window, LED-illuminated rocker button
D1   ON-ON; opaque, single-color rocker button
D3   ON-OFF-ON; opaque, single-color rocker button

Power Rating
16   16A, 1/3 Hp @ 125 VAC
      10A, 1/2 Hp @ 250 VAC

Terminal Type
F   FASTON Tab
L   Solder Lug

Legend Text Color
0   Not Applicable   R   Red
B   Black   W   White
G   Green

Legend Text Pattern
0   Not Applicable   E   I II
A   Dot   F   -- o =
B   o --   G   I o II
C   o I   H   ON OFF
D   -- =

Secondary Rocker Color, Window Color, or LED Color
0   Not Applicable   C   Clear
A   Amber   G   Green
B   Black   R   Red
                        W   White

Rocker Color
A   Amber   G   Green
B   Black   R   Red
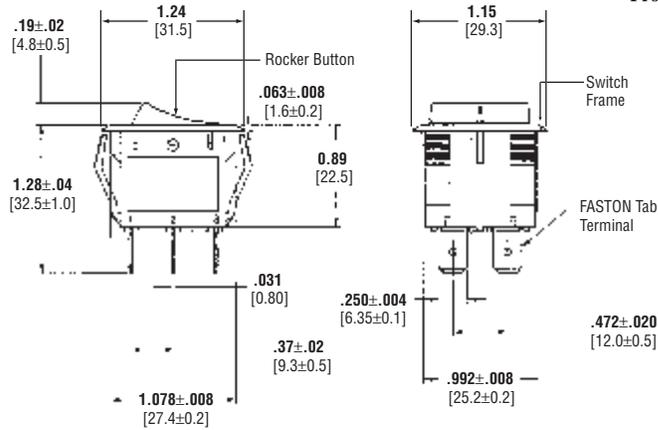C   Clear   W   White

Frame Color
B   Black
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		

F

Power Rocker Switches Series PRB

tyco
Electronics

Alcoswitch

1.00 [25.4] x 1.09 [27.6] Panel Cutout

1.24 [31.5]

.19±.02 [4.8±0.5]

Rocker Button

.063±.008 [1.6±0.2]

0.89 [22.5]

1.28±.04 [32.5±1.0]

.031 [0.80]

.37±.02 [9.3±0.5]

1.078±.008 [27.4±0.2]

1.15 [29.3]

Switch Frame

FASTON Tab Terminal

.250±.004 [6.35±0.1]

.472±.020 [12.0±0.5]

.992±.008 [25.2±0.2]

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

Alcoswitch Part Number

PR D D XX — XX X — X X X X X

Switch Type
PR Power Rockers

Panel Cut-out Size
B 1.00 [25.4] x 1.09 [27.6]

Number of Poles
S Double Pole

Switch Functions
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

Power Rating
16 16A, 1/3 Hp @ 125 VAC
10A, 1/2 Hp @ 250 VAC

Terminal Type
F FASTON Tab

Legend Text Color
0 Not Applicable   R Red
B Black   W White
G Green

Legend Text Pattern
0 Not Applicable   E | | |
A Dot   F - o =
B o --   G | o | |
C o | H ON OFF
D - =

Secondary Rocker Color, Window Color, or LED Color
0 Not Applicable

Rocker Color
A Amber   G Green
B Black   R Red
C Clear   W White

Frame Color
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