

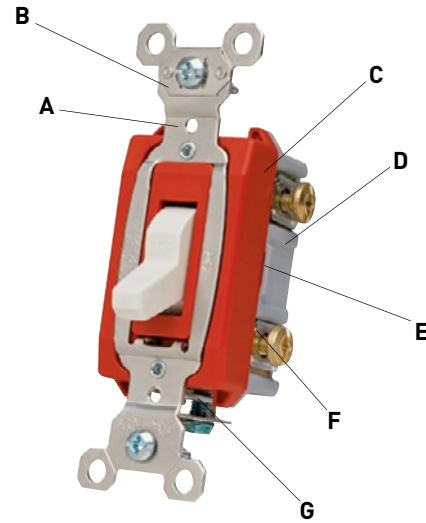
# SWITCHES

## Industrial Extra Heavy-Duty Specification Grade Switches

### PS20AC1LA

#### Industrial EHD Specification Grade Switches

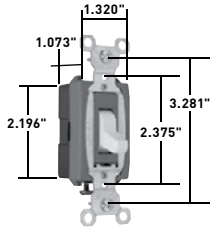
- A. One-piece nickel-plated steel strap** with integral ground.
  - B. Auto-ground clip** assures positive ground.
  - C. Shallow design** for easier installation.
  - D. Glass-reinforced nylon back body** for superior durability and strength.
  - E. Locking support** provides resistance to face and back body separation.
  - F. Side and external screw-pressure-plate back wire** with #14 – #10 AWG copper or copper-clad wire.
  - G. Grounding terminal** is standard with screw-pressure-plate back wire.
- Cam control and spring actuator** for positive “makes and breaks.”
- Heavy-duty, brass alloy, one-piece contact arm** virtually eliminates contact bounce
- Oversized silver alloy contacts** for long life and better heat dissipation.
- Heavy-duty bumpers** for quiet, smooth operation.



PS20AC1LA

# SWITCHES

## Hard Use & Commercial Specification Grade Switches 15 & 20A, 120/277VAC



15 & 20 Amp

### Features

- One-piece brass alloy contact arm for reliable electrical performance.
- One-piece steel strap with integral ground is plated for corrosion resistance.
- High strength thermoplastic polycarbonate toggle resists breaking and chipping under heavy abuse.
- Heavy-duty toggle bumpers for smooth and quiet operation.
- Back body made of glass-reinforced nylon.
- Locking support provides resistance to face and back body separation.
- Available with side wire or external screw-pressure-plate back and side wire models capable of accepting #14 – #10 AWG copper or copper-clad wire.
- Cam designed for fast make with positive break action to minimize arcing and prolong switch life.
- Oversized silver alloy contacts for longer dependable switch life.
- Tri-drive terminal and mounting screws.
- Auto-ground clip assures positive ground.

| CATALOG NUMBER   |             |             |             | RATING |         | COLOR        | 3rd PARTY COMPLIANCE |            |           |
|--|-------------|-------------|-------------|--------|---------|--------------|----------------------|------------|-----------|
| SINGLE POLE  | DOUBLE POLE | THREE-WAY   | FOUR-WAY    | A.     | VAC     |              | UL20                 | FSUL WS896 | C22.2 111 |
| <b>HARD USE SPECIFICATION GRADE BACK &amp; SIDE WIRE</b> |             |             |             |        |         |              |                      |            |           |
| CSB15AC1I  | CSB15AC2I   | CSB15AC3I   | CSB15AC4I   | 15     | 120/277 | Ivory        | •                    | •          | •         |
| CSB15AC1W  | CSB15AC2W   | CSB15AC3W   | CSB15AC4W   | 15     | 120/277 | White        | •                    | •          | •         |
| CSB15AC1   | CSB15AC2    | CSB15AC3    | CSB15AC4    | 15     | 120/277 | Brown        | •                    | •          | •         |
| CSB15AC1GRY  | CSB15AC2GRY | CSB15AC3GRY | CSB15AC4GRY | 15     | 120/277 | Gray         | •                    | •          | •         |
| CSB15AC1LA   | CSB15AC2LA  | CSB15AC3LA  | CSB15AC4LA  | 15     | 120/277 | Light Almond | •                    | •          | •         |
| CSB20AC1I  | CSB20AC2I   | CSB20AC3I   | CSB20AC4I   | 20     | 120/277 | Ivory        | •                    | •          | •         |
| CSB20AC1W  | CSB20AC2W   | CSB20AC3W   | CSB20AC4W   | 20     | 120/277 | White        | •                    | •          | •         |
| CSB20AC1   | CSB20AC2    | CSB20AC3    | CSB20AC4    | 20     | 120/277 | Brown        | •                    | •          | •         |
| CSB20AC1BK   |             | CSB20AC3BK  |             | 20     | 120/277 | Black        | •                    | •          | •         |
| CSB20AC1GRY  | CSB20AC2GRY | CSB20AC3GRY | CSB20AC4GRY | 20     | 120/277 | Gray         | •                    | •          | •         |
| CSB20AC1LA   | CSB20AC2LA  | CSB20AC3LA  | CSB20AC4LA  | 20     | 120/277 | Light Almond | •                    | •          | •         |

| CATALOG NUMBER                                  |            | RATING |         | COLOR        | 3rd PARTY COMPLIANCE |            |           |
|---|------------|--------|---------|--------------|----------------------|------------|-----------|
| SINGLE POLE                                     | THREE-WAY  | A.     | VAC     |              | UL20                 | FSUL WS896 | C22.2 111 |
| <b>COMMERCIAL SPECIFICATION GRADE SIDE WIRE</b> |            |        |         |              |                      |            |           |
| CS15AC1I  | CS15AC3I   | 15     | 120/277 | Ivory        | •                    | •          | •         |
| CS15AC1W  | CS15AC3W   | 15     | 120/277 | White        | •                    | •          | •         |
| CS15AC1   | CS15AC3    | 15     | 120/277 | Brown        | •                    | •          | •         |
| CS15AC1GRY                                      | CS15AC3GRY | 15     | 120/277 | Gray         | •                    | •          | •         |
| CS15AC1BK                                       | CS15AC3BK  | 15     | 120/277 | Black        | •                    | •          | •         |
| CS15AC1LA                                       | CS15AC3LA  | 15     | 120/277 | Light Almond | •                    | •          | •         |
| CS20AC1I  | CS20AC3I   | 20     | 120/277 | Ivory        | •                    | •          | •         |
| CS20AC1W  | CS20AC3W   | 20     | 120/277 | White        | •                    | •          | •         |
| CS20AC1   | CS20AC3    | 20     | 120/277 | Brown        | •                    | •          | •         |
| CS20AC1GRY                                      | CS20AC3GRY | 20     | 120/277 | Gray         | •                    | •          | •         |
| CS20AC1LA                                       | CS20AC3LA  | 20     | 120/277 | Light Almond | •                    | •          | •         |

For Bulk Packaging Solutions consult factory.

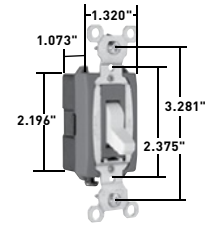
# TECHNICAL SPECIFICATIONS

## Hard Use Specification Grade Switches Back & Side Wire 15 & 20A, 120/277VAC

### Typical Specifications

Manufacturer's Identification: Pass & Seymour® CSB15AC1  
 Description: Hard Use Specification Grade Switch, Back & Side Wire  
 Rating: 15A, 120/277VAC  
 3rd Party Compliance: UL Listed, File Number E140597, Standard UL20, General Use Snap Switches.  
 Federal Specification WS896, CSA Certified, File Number LR17446, Standard CSA-C22.2 No. 111,  
 General Use Snap Switches. Conforms to NEMA WD-1 and WD-6.

| CATALOG NUMBER                       | COLOR      | DESCRIPTION/RATING          | CATALOG NUMBER                       | COLOR      | DESCRIPTION/RATING    |
|--------------------------------------|------------|-----------------------------|--------------------------------------|------------|-----------------------|
| <input type="checkbox"/> CSB15AC1I   | Ivory      | 15A 120/277VAC, Single Pole | <input type="checkbox"/> CSB15AC3I   | Ivory      | 15A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB15AC1W   | White      | 15A 120/277VAC, Single Pole | <input type="checkbox"/> CSB15AC3W   | White      | 15A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB15AC1    | Brown      | 15A 120/277VAC, Single Pole | <input type="checkbox"/> CSB15AC3    | Brown      | 15A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB15AC1GRY | Gray       | 15A 120/277VAC, Single Pole | <input type="checkbox"/> CSB15AC3GRY | Gray       | 15A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB15AC1LA  | Lt. Almond | 15A 120/277VAC, Single Pole | <input type="checkbox"/> CSB15AC3LA  | Lt. Almond | 15A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB20AC1I   | Ivory      | 20A 120/277VAC, Single Pole | <input type="checkbox"/> CSB20AC3I   | Ivory      | 20A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB20AC1W   | White      | 20A 120/277VAC, Single Pole | <input type="checkbox"/> CSB20AC3W   | White      | 20A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB20AC1    | Brown      | 20A 120/277VAC, Single Pole | <input type="checkbox"/> CSB20AC3    | Brown      | 20A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB20AC1GRY | Gray       | 20A 120/277VAC, Single Pole | <input type="checkbox"/> CSB20AC3GRY | Gray       | 20A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB20AC1BK  | Black      | 20A 120/277VAC, Single Pole | <input type="checkbox"/> CSB20AC3BK  | Black      | 20A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB20AC1LA  | Lt. Almond | 20A 120/277VAC, Single Pole | <input type="checkbox"/> CSB20AC3LA  | Lt. Almond | 20A 120/277VAC, 3-Way |
| <input type="checkbox"/> CSB15AC2I   | Ivory      | 15A 120/277VAC, Double Pole | <input type="checkbox"/> CSB15AC4I   | Ivory      | 15A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB15AC2W   | White      | 15A 120/277VAC, Double Pole | <input type="checkbox"/> CSB15AC4W   | White      | 15A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB15AC2    | Brown      | 15A 120/277VAC, Double Pole | <input type="checkbox"/> CSB15AC4    | Brown      | 15A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB15AC2GRY | Gray       | 15A 120/277VAC, Double Pole | <input type="checkbox"/> CSB15AC4GRY | Gray       | 15A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB15AC2LA  | Lt. Almond | 15A 120/277VAC, Double Pole | <input type="checkbox"/> CSB15AC4LA  | Lt. Almond | 15A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB20AC2I   | Ivory      | 20A 120/277VAC, Double Pole | <input type="checkbox"/> CSB20AC4I   | Ivory      | 20A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB20AC2W   | White      | 20A 120/277VAC, Double Pole | <input type="checkbox"/> CSB20AC4W   | White      | 20A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB20AC2    | Brown      | 20A 120/277VAC, Double Pole | <input type="checkbox"/> CSB20AC4    | Brown      | 20A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB20AC2GRY | Gray       | 20A 120/277VAC, Double Pole | <input type="checkbox"/> CSB20AC4GRY | Gray       | 20A 120/277VAC, 4-Way |
| <input type="checkbox"/> CSB20AC2LA  | Lt. Almond | 20A 120/277VAC, Double Pole | <input type="checkbox"/> CSB20AC4LA  | Lt. Almond | 20A 120/277VAC, 4-Way |



**15 & 20 Amp**

### Performance

#### Electrical

Dielectric Withstand Voltage: 1500V Minimum  
 Maximum Working Voltage: 277VAC  
 Overload: Minimum 4.8 times rated current for 100 cycles  
 Temperature Rise: 30°C maximum at rated current  
 Maximum Continuous Current: 277VAC  
 Endurance: 50,000 cycles minimum, resistive, inductive, tungsten filament lamp load (Fed Spec)

#### Mechanical

Terminal Accommodations: #14 AWG – #10 AWG stranded (when back-wired) or solid copper conductors

#### Environmental

Flammability: UL94 V2  
 Operating Temperature: Maximum continuous +115°C, minimum -40°C

### Materials

|                  |                             |                  |                             |
|------------------|-----------------------------|------------------|-----------------------------|
| Back Body:       | Glass-Reinforced Nylon      | Contacts:        | Silver Cadmium Oxide        |
| Front Body:      | Nylon                       | Spring Arm:      | Brass                       |
| Toggle:          | Thermoplastic Polycarbonate | Bumper:          | Rubber                      |
| Terminals:       | Brass                       | Spring:          | Zinc-Plated Steel           |
| Terminal Screws: | Tri-Drive Brass             | Ground Terminal: | Brass                       |
| Mounting Strap:  | Nickel-Plated Steel         | Ground Screw:    | Tri-Drive Zinc-Plated Steel |
| Pressure Plate:  | Brass                       |                  |                             |

|                      |
|----------------------|
| <b>Project</b>       |
| <b>Location/Type</b> |

# DEVICES & WALL PLATES

## Color Selection Chart

### Devices & Plastic Wall Plate Colors



Ivory    Light Almond    White    Green    Antique Brass    Dark Bronze    Nickel



Black    Blue    Brown    Gray    Orange    Red

See specific device and wall plate catalog charts for particular color availabilities.

### Metal Wall Plates

Metal Finish



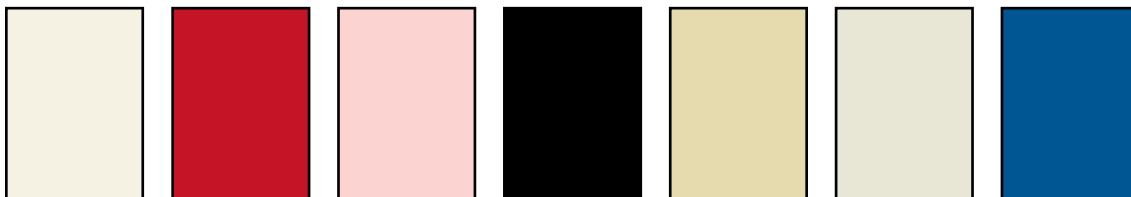
Aluminum    Brass (Brushed)    Polished Brass    Stainless Steel    Brushed Bronze    Chrome

### Custom Metal Wall Plates Paint Finish Colors

Paint Color



Orange    Green    Gray    Yellow    Glossy Black    Brown    White



Primer    Red    Pink    Flat Black    Ivory    Light Almond    Blue

To order custom metal wall plates, see Pages P-41 – P-45.

**For additional colors consult factory.**

All devices listed on this page conform to NEMA WD-1 and WD-6.