



## Commercial ruggedness in traditional side wire switches.

CS15AC1, CS15AC3, CS20AC1, CS20AC3

Like our other commercial switches, these reliable performers feature high-strength polycarbonate toggles, single-piece brass alloy contact arms, nylon covers and heavy-gauge steel straps to withstand hard use and ensure a long service life. Fast make and positive break action minimizes arcing.

## Features & Benefits

**One-piece plated steel strap** for corrosion resistance

**Heavy-duty bumpers** for quiet, smooth operation

**Oversized silver-alloy contacts** for long life and better heat dissipation

**Heavy-duty, brass alloy, one-piece contact arm** virtually eliminates contact bounce

**Shallow design** for easier installation



CS20AC1LA

**Glass-reinforced nylon back body** for durability and strength

**Locking support** provides resistance to face and back body separation

**Side wire** with #14 – #10 AWG copper or copper-clad wire

**Cam control and spring actuator** for positive “makes and breaks” with a minimum of arcing

## 3rd Party Compliance



UL Listed, File Number E140597, Standard UL20, General Use Snap Switches. Federal Specification WS896.  
cULus Listed, File Number LR17446, Standard CSA-C22.2 No. 111, General Use Snap Switches. Conforms to NEMA WD-1 and WD-6.

## Technical Information

### 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 |
|-------------------------|-------------------|

#### Environmental

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

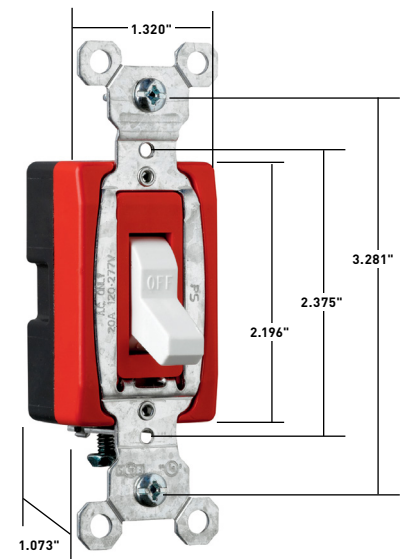
### Materials

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

### HP Conversion Table – Switches

|               |                                                  |
|---------------|--------------------------------------------------|
| <b>15 Amp</b> | 1/2 Horsepower at 120VAC; 2 Horsepower at 240VAC |
| <b>20 Amp</b> | 1 Horsepower at 120VAC; 2 Horsepower at 240VAC   |

15 Amp Cover      Blue  
20 Amp Cover      Red



Dimensions for  
15 & 20 Amp

### Warranty

1 Year

---

## Ordering Information

### Commercial Grade Switches

| Catalog Number |            | Rating |         |              |
|----------------|------------|--------|---------|--------------|
| Single Pole    | Three-Way  | A      | VAC     | Color        |
| 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 |

---

## Vertical Markets

- Retail
- Office
- Hospitality/Lodging
- Multiple Dwelling

---

## Also available

- Plug Load Control Devices
- Hospital Grade Devices
- PlugTail® Devices
- SPD & Isolated Ground Devices
- Ground Continuity Monitoring Devices (GCM)
- Straight Blade Plugs & Connectors
- Turnlok® Locking Devices
- IEC 309 Industrial Products
- Flexcor® Wire Mesh Grip
- USB Charging Devices



The paper used to print this document is an environmentally responsible paper with 10% post consumer waste, with FSC and SFI Chain of Custody certifications, Lacey Act compliant. 100% of the electricity used to manufacture Flo sheets is generated with Green-e certified renewable energy.

All brand and product names referenced in this document are registered trademarks or trademarks of their respective holders.



**Legrand, North America**  
60 Woodlawn Street  
West Hartford, CT 06110  
1.877.BY.LEGRAND (295.3472)  
[www.legrand.us](http://www.legrand.us)  
905.738.9195  
[www.legrand.ca](http://www.legrand.ca)





## Commercial ruggedness in traditional side wire switches.

CS15AC1, CS15AC3, CS20AC1, CS20AC3

Like our other commercial switches, these reliable performers feature high-strength polycarbonate toggles, single-piece brass alloy contact arms, nylon covers and heavy-gauge steel straps to withstand hard use and ensure a long service life. Fast make and positive break action minimizes arcing.

## Features & Benefits

**One-piece plated steel strap** for corrosion resistance

**Heavy-duty bumpers** for quiet, smooth operation

**Oversized silver-alloy contacts** for long life and better heat dissipation

**Heavy-duty, brass alloy, one-piece contact arm** virtually eliminates contact bounce

**Shallow design** for easier installation



CS20AC1LA

**Glass-reinforced nylon back body** for durability and strength

**Locking support** provides resistance to face and back body separation

**Side wire** with #14 – #10 AWG copper or copper-clad wire

**Cam control and spring actuator** for positive “makes and breaks” with a minimum of arcing

## 3rd Party Compliance



UL Listed, File Number E140597, Standard UL20, General Use Snap Switches. Federal Specification WS896.  
cULus Listed, File Number LR17446, Standard CSA-C22.2 No. 111, General Use Snap Switches. Conforms to NEMA WD-1 and WD-6.

## Technical Information

### 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 |
|-------------------------|-------------------|

#### Environmental

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

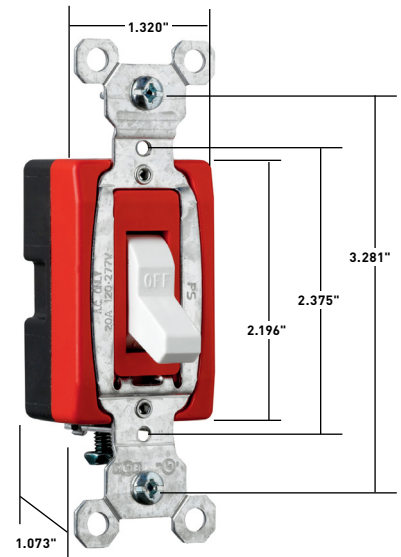
### Materials

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

### HP Conversion Table – Switches

|               |                                                  |
|---------------|--------------------------------------------------|
| <b>15 Amp</b> | 1/2 Horsepower at 120VAC; 2 Horsepower at 240VAC |
| <b>20 Amp</b> | 1 Horsepower at 120VAC; 2 Horsepower at 240VAC   |

15 Amp Cover      Blue  
20 Amp Cover      Red



Dimensions for  
15 & 20 Amp

### Warranty

1 Year

---

## Ordering Information

### Commercial Grade Switches

| Catalog Number |            | Rating |         |              |
|----------------|------------|--------|---------|--------------|
| Single Pole    | Three-Way  | A      | VAC     | Color        |
| 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 |

---

## Vertical Markets

- Retail
- Office
- Hospitality/Lodging
- Multiple Dwelling

---

## Also available

- Plug Load Control Devices
- Hospital Grade Devices
- PlugTail® Devices
- SPD & Isolated Ground Devices
- Ground Continuity Monitoring Devices (GCM)
- Straight Blade Plugs & Connectors
- Turnlok® Locking Devices
- IEC 309 Industrial Products
- Flexcor® Wire Mesh Grip
- USB Charging Devices



The paper used to print this document is an environmentally responsible paper with 10% post consumer waste, with FSC and SFI Chain of Custody certifications, Lacey Act compliant. 100% of the electricity used to manufacture Flo sheets is generated with Green-e certified renewable energy.

All brand and product names referenced in this document are registered trademarks or trademarks of their respective holders.



**Legrand, North America**  
60 Woodlawn Street  
West Hartford, CT 06110  
1.877.BY.LEGRAND (295.3472)  
[www.legrand.us](http://www.legrand.us)  
905.738.9195  
[www.legrand.ca](http://www.legrand.ca)

