



**High-performing chemical- and impact-resistant switches with quiet, reliable operation.**

PS15AC, PS20AC, PS30AC Series

Designed to withstand abuse and constant use in demanding applications, these durable switches virtually eliminate contact bounce and arcing. Exterior housing is made entirely of high-performing chemical- and impact-resistant thermoplastics to withstand the abuse of industrial environments and harsh chemicals. Featuring auto-ground and external, screw-pressure-plate back wiring on all terminals for fast, easy installation and excellent electrical connection. Oversize silver alloy contacts help ensure long life and better heat dissipation.

## Features & Benefits

**One-piece nickel-plated brass strap** for superior corrosion resistance

**Cam control and spring actuator** for positive “makes and breaks”

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

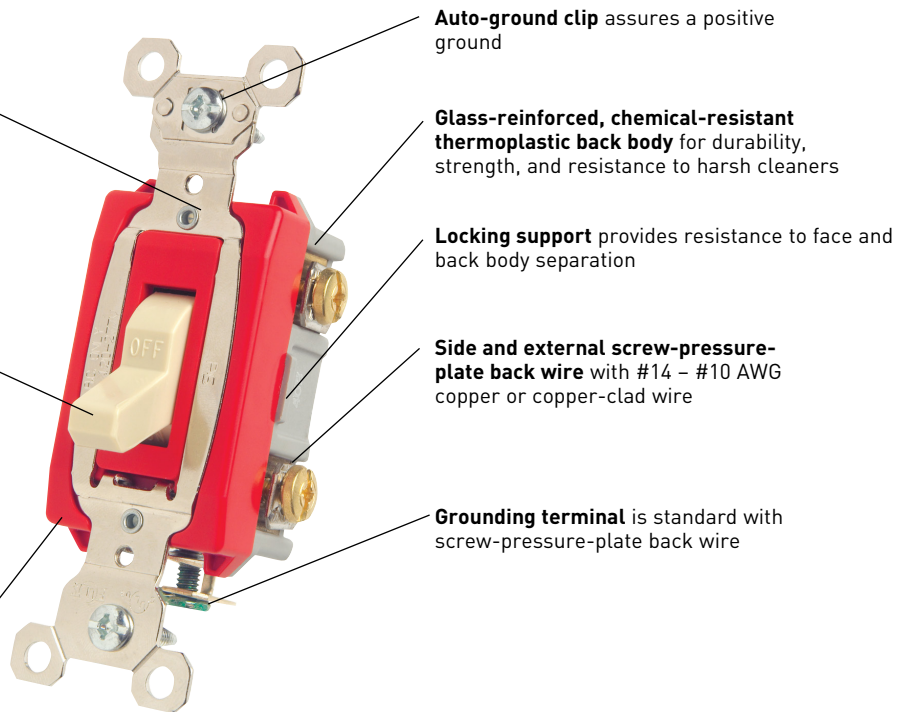
**One-piece toggle** molded from chemical-, impact- and heat-resistant thermoplastic

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

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

**Impact- and chemical-resistant cover**

**Shallow design** for easier installation



PS20AC11

## 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	15, 20 and 30 Amps
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	Thermoplastic
Front Body	Thermoplastic
Toggle	Thermoplastic
Terminals	Brass
Terminal Screws	Tri-Drive Brass
Strap	Nickel-Plated Brass
Pressure Plate	Brass
Contacts	Silver Cadmium Oxide
Spring Arm	Brass
Bumper	Rubber
Spring	Zinc-Plated Steel
Ground Terminal	Brass
Ground Screw	Tri-Drive Zinc-Plated Steel
Auto-Ground Clip	Nickel-Plated Brass

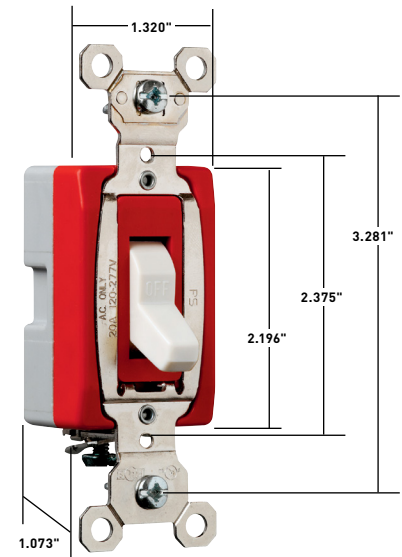
### HP Conversion Table – Switches

<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
<b>30 Amp</b>	2 Horsepower at 120VAC; 2 Horsepower at 240VAC

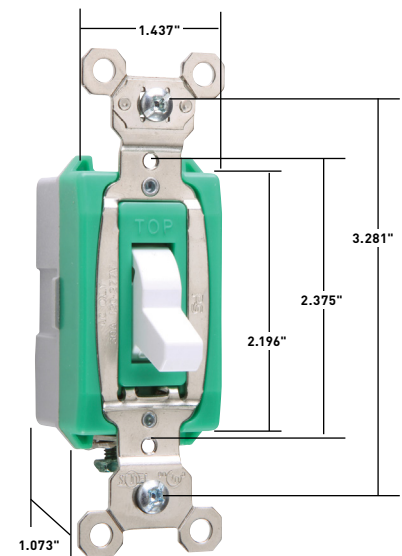
15 Amp Cover	Blue
20 Amp Cover	Red
30 Amp Cover	Green

### Warranty

1 Year



Dimensions for  
15 & 20 Amp



Dimensions for  
30 Amp

## Ordering Information

### Industrial Extra Heavy-Duty Specification Grade Switches

Catalog Number				Rating		
Single Pole	Double Pole	Three-Way	Four-Way	A	VAC	Color
PS15AC1I	PS15AC2I	PS15AC3I	PS15AC4I	15	120/277	Ivory
PS15AC1W	PS15AC2W	PS15AC3W	PS15AC4W	15	120/277	White
PS15AC1	PS15AC2	PS15AC3	PS15AC4	15	120/277	Brown
PS15AC1GRY	PS15AC2GRY	PS15AC3GRY	PS15AC4GRY	15	120/277	Gray
PS15AC1LA	PS15AC2LA	PS15AC3LA	PS15AC4LA	15	120/277	Light Almond
PS20AC1I	PS20AC2I	PS20AC3I	PS20AC4I	20	120/277	Ivory
PS20AC1W	PS20AC2W	PS20AC3W	PS20AC4W	20	120/277	White
PS20AC1	PS20AC2	PS20AC3	PS20AC4	20	120/277	Brown
PS20AC1GRY	PS20AC2GRY	PS20AC3GRY	PS20AC4GRY	20	120/277	Gray
PS20AC1BK	PS20AC2BK	PS20AC3BK	PS20AC4BK	20	120/277	Black
PS20AC1GN		PS20AC3GN		20	120/277	Green
PS20AC1RED	PS20AC2RED	PS20AC3RED	PS20AC4RED	20	120/277	Red
PS20AC1LA	PS20AC2LA	PS20AC3LA	PS20AC4LA	20	120/277	Light Almond
PS30AC1I	PS30AC2I	PS30AC3I		30	120/277	Ivory
PS30AC1W	PS30AC2W			30	120/277	White
PS30AC1	PS30AC2	PS30AC3		30	120/277	Brown

NOTE: Enhanced chemical-resistant toggle not yet available for 30A, Double Pole, and Four-Way models.