PASS & SEYMOUR®

Industrial Extra Heavy-Duty Specification Grade Switches 15, 20 & 30A, 120/277VAC

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

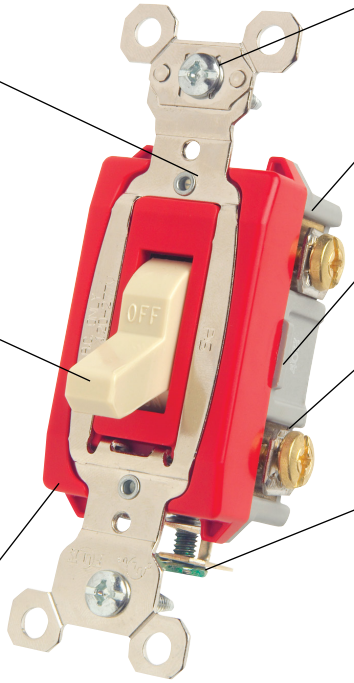
One-piece toggle molded from chemical-, impact- and heat-resistant thermoplastic

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



PS20AC1I

Auto-ground clip assures a positive ground

Glass-reinforced, chemical-resistant thermoplastic back body for durability, strength, and resistance to harsh cleaners

Locking support provides resistance to face and back body separation

Side and external screw-pressure-plate back wire with #14 – #10 AWG copper or copper-clad wire

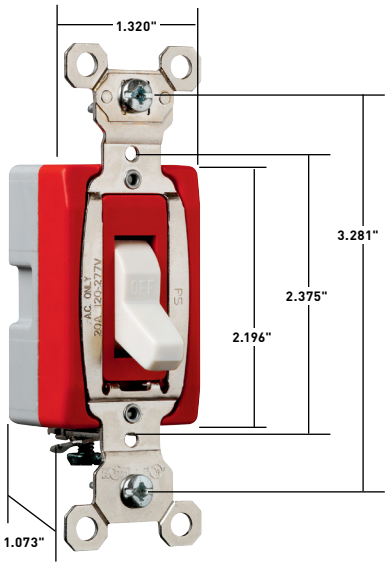
Grounding terminal is standard with screw-pressure-plate back wire

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

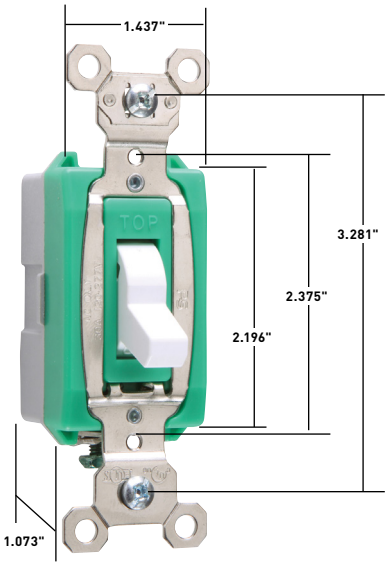
Performance	
Electrical	
Dielectric Withstand Voltage	1500V Minimum
Maximum Working Voltage	277VAC
Overload	Minimum 4.8 times rated current for 100 cycles
Temperature Rise	30°C maximum at rated current
Maximum Continuous Current	15, 20 and 30 Amps
Endurance	50,000 cycles minimum, resistive, inductive, 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



Dimensions for 15 & 20 Amp

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	
15 Amp	1/2 Horsepower at 120VAC; 2 Horsepower at 240VAC
20 Amp	1 Horsepower at 120VAC; 2 Horsepower at 240VAC
30 Amp	2 Horsepower at 120VAC; 2 Horsepower at 240VAC



Dimensions for 30 Amp

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

Warranty
1 Year

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.

Vertical Markets

- **Healthcare**
- **Institutional**
- **Industrial**
- **Education**

Also available

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

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