

Technical Specifications

Industrial Extra Heavy-Duty Specification Grade Switches

Back & Side Wire 15, 20 & 30A, 120/277VAC

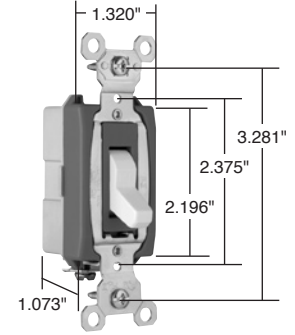
Pass & Seymour



Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS15AC1
 Description: Industrial EHD 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
□PS15AC11	Ivory	15A 120/277VAC, Single Pole	□PS20AC2W	White	20A 120/277VAC, Double Pole
□PS15AC1W	White	15A 120/277VAC, Single Pole	□PS20AC2	Brown	20A 120/277VAC, Double Pole
□PS15AC1	Brown	15A 120/277VAC, Single Pole	□PS20AC2GRY	Gray	20A 120/277VAC, Double Pole
□PS15AC1GRY	Gray	15A 120/277VAC, Single Pole	□PS20AC2BK	Black	20A 120/277VAC, Double Pole
□PS15AC1LA	Lt. Al.	15A 120/277VAC, Single Pole	□PS20AC2RED	Red	20A 120/277VAC, Double Pole
□PS15AC2I	Ivory	15A 120/277VAC, Double Pole	□PS20AC2LA	Lt. Al.	20A 120/277VAC, Double Pole
□PS15AC2W	White	15A 120/277VAC, Double Pole	□PS20AC3I	Ivory	20A 120/277VAC, 3-Way
□PS15AC2	Brown	15A 120/277VAC, Double Pole	□PS20AC3W	White	20A 120/277VAC, 3-Way
□PS15AC2GRY	Gray	15A 120/277VAC, Double Pole	□PS20AC3	Brown	20A 120/277VAC, 3-Way
□PS15AC2LA	Lt. Al.	15A 120/277VAC, Double Pole	□PS20AC3GRY	Gray	20A 120/277VAC, 3-Way
□PS15AC3I	Ivory	15A 120/277VAC, 3-Way	□PS20AC3BK	Black	20A 120/277VAC, 3-Way
□PS15AC3W	White	15A 120/277VAC, 3-Way	□PS20AC3RED	Red	20A 120/277VAC, 3-Way
□PS15AC3	Brown	15A 120/277VAC, 3-Way	□PS20AC3LA	Lt. Al.	20A 120/277VAC, 3-Way
□PS15AC3GRY	Gray	15A 120/277VAC, 3-Way	□PS20AC4I	Ivory	20A 120/277VAC, 4-Way
□PS15AC3LA	Lt. Al.	15A 120/277VAC, 3-Way	□PS20AC4W	White	20A 120/277VAC, 4-Way
□PS15AC4I	Ivory	15A 120/277VAC, 4-Way	□PS20AC4	Brown	20A 120/277VAC, 4-Way
□PS15AC4W	White	15A 120/277VAC, 4-Way	□PS20AC4GRY	Gray	20A 120/277VAC, 4-Way
□PS15AC4	Brown	15A 120/277VAC, 4-Way	□PS20AC4BK	Black	20A 120/277VAC, 4-Way
□PS15AC4GRY	Gray	15A 120/277VAC, 4-Way	□PS20AC4RED	Red	20A 120/277VAC, 4-Way
□PS15AC4LA	Lt. Al.	15A 120/277VAC, 4-Way	□PS20AC4LA	Lt. Al.	20A 120/277VAC, 4-Way
□PS20AC11	Ivory	20A 120/277VAC, Single Pole	□PS30AC1I	Ivory	30A 120/277VAC, Single Pole
□PS20AC1W	White	20A 120/277VAC, Single Pole	□PS30AC1W	White	30A 120/277VAC, Single Pole
□PS20AC1	Brown	20A 120/277VAC, Single Pole	□PS30AC1	Brown	30A 120/277VAC, Single Pole
□PS20AC1GRY	Gray	20A 120/277VAC, Single Pole	□PS30AC2I	Ivory	30A 120/277VAC, Double Pole
□PS20AC1BK	Black	20A 120/277VAC, Single Pole	□PS30AC2W	White	30A 120/277VAC, Double Pole
□PS20AC1RED	Red	20A 120/277VAC, Single Pole	□PS30AC2	Brown	30A 120/277VAC, Double Pole
□PS20AC1LA	Lt. Al.	20A 120/277VAC, Single Pole	□PS30AC3I	Ivory	30A 120/277VAC, 3-Way
□PS20AC2I	Ivory	20A 120/277VAC, Double Pole	□PS30AC3	Brown	30A 120/277VAC, 3-Way



15 & 20 Amp*

*30AC series is 1.437" wide

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	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	Auto-Ground Clip	Nickel-Plated Brass

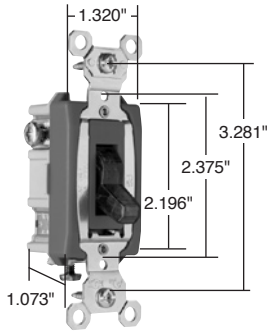
Project

Location/Type



Technical Specifications Industrial Extra Heavy-Duty & Extra Heavy-Duty Specification Grade Switches

15, 20 & 30A, 120, 277 & 120/277VAC

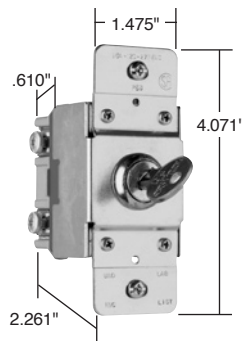


15 & 20 Amp Lighted & Pilot Lighted



Locking

30AC series is 1.437" wide



Security Switch

*For Lighted versions. May not be compatible with some fluorescent lighting loads.

**For Locking versions.

†For Security versions Ground Terminal is Zinc-Plated Steel. No Auto-Ground Clip on Security Switches.

Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS15AC1ISL
Description: Industrial EHD 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"/> PS15AC1CSL	Clear	15A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC1KL	—	20A 120/277VAC, Single Pole
<input type="checkbox"/> PS15AC1ISL	Ivory	15A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC2CPL	Clear	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC1WSL	White	15A 120/277VAC, 3-Way	<input type="checkbox"/> PS20AC2RPL	Red	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC1CPL	Clear	15A 120VAC, Single Pole	<input type="checkbox"/> PS20AC2CPL	Clear	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC1RPL	Red	15A 120VAC, Single Pole	<input type="checkbox"/> PS20AC2RPL	Red	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC1L	Gray	15A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC2IL	Ivory	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC3CSL	Clear	15A 120/277VAC, 3-Way	<input type="checkbox"/> PS20AC2WL	White	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC3ISL	Ivory	15A 120/277VAC, 3-Way	<input type="checkbox"/> PS20AC2L	Gray	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC3WSL	White	15A 120/277VAC, 3-Way	<input type="checkbox"/> PS20AC2LAL	Lt. Al.	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC3CPL	Clear	15A 120VAC, 3-Way	<input type="checkbox"/> PS20AC2KL	—	20A 120/277VAC, Double Pole
<input type="checkbox"/> PS15AC3RPL	Red	15A 120VAC, 3-Way	<input type="checkbox"/> PS20AC3LASL	Lt. Al.	20A 120/277VAC, 3-Way
<input type="checkbox"/> PS15AC3L	Gray	15A 120/277VAC, 3-Way	<input type="checkbox"/> PS20AC3CPL	Clear	20A 120VAC, 3-Way
<input type="checkbox"/> PS20AC1CSL	Clear	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC3RPL	Red	20A 120VAC, 3-Way
<input type="checkbox"/> PS20AC1ISL	Ivory	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC3RPL7	Red	20A 277VAC, 3-Way
<input type="checkbox"/> PS20AC1WSL	White	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC3IL	Ivory	20A 120/277VAC, 3-Way
<input type="checkbox"/> PS20AC1LASL	Lt. Al.	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC3WL	White	20A 120/277VAC, 3-Way
<input type="checkbox"/> PS20AC1LASL	Lt. Al.	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC3L	Gray	20A 120/277VAC, 3-Way
<input type="checkbox"/> PS20AC1CPL	Clear	20A 120VAC, Single Pole	<input type="checkbox"/> PS20AC3REDL	Red	20A 120/277VAC, 3-Way
<input type="checkbox"/> PS20AC1CPL7	Clear	20A 277VAC, Single Pole	<input type="checkbox"/> PS20AC3LAL	Lt. Al.	20A 120/277VAC, 3-Way
<input type="checkbox"/> PS20AC1RPL	Red	20A 120VAC, Single Pole	<input type="checkbox"/> PS20AC3KL	—	20A 120/277VAC, 3-Way
<input type="checkbox"/> PS20AC1RPL7	Red	20A 277VAC, Single Pole	<input type="checkbox"/> PS20AC4IL	Ivory	20A 120/277VAC, 4-Way
<input type="checkbox"/> PS20AC1CPL	Clear	20A 120VAC, Single Pole	<input type="checkbox"/> PS20AC4WL	White	20A 120/277VAC, 4-Way
<input type="checkbox"/> PS20AC1CPL7	Clear	20A 277VAC, Single Pole	<input type="checkbox"/> PS20AC4L	Gray	20A 120/277VAC, 4-Way
<input type="checkbox"/> PS20AC1RPL	Red	20A 120VAC, Single Pole	<input type="checkbox"/> PS20AC4REDL	Red	20A 120/277VAC, 4-Way
<input type="checkbox"/> PS20AC1RPL7	Red	20A 277VAC, Single Pole	<input type="checkbox"/> PS20AC4LAL	Lt. Al.	20A 120/277VAC, 4-Way
<input type="checkbox"/> PS20AC1IL	Ivory	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS20AC4KL	—	20A 120/277VAC, 4-Way
<input type="checkbox"/> PS20AC1WL	White	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS30AC1RPL	Red	30A 120VAC, Single Pole
<input type="checkbox"/> PS20AC1L	Gray	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS30AC2RPL	Red	30A 120/277VAC, Double Pole
<input type="checkbox"/> PS20AC1LAL	Lt. Al.	20A 120/277VAC, Single Pole	<input type="checkbox"/> PS30AC3RPL	Red	30A 120VAC, 3-Way

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
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Environmental

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

Materials

Back Body	Glass-Reinforced Nylon	Spring Arm	Brass
Front Body	Nylon	Bumper	Rubber
Toggle	Thermoplastic Polycarbonate	Spring	Zinc-Plated Steel
Key Slot**	Thermoplastic Polycarbonate	Ground Terminal†	Brass
Terminals	Brass	Ground Screw	Tri-Drive Zinc-Plated Steel
Terminal Screws	Tri-Drive Brass	Auto-Ground Clip†	Nickel-Plated Brass
Strap	Nickel-Plated Brass	Illuminating Lamp*	Neon
Pressure Plate	Brass	Lock Housing†	Stainless Steel
Contacts	Silver Cadmium Oxide		

Project

Location/Type