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CS20AC3I 20A 120/277VAC S WIRE COMM 3W SW IV

PASS & SEYMOUR/LEGRAND

Catalog Number	CS20AC3I
Manufacturer	PASS & SEYMOUR/LEGRAND
Description	Commercial 3-Way Switch, Side-Wire, 20A 120/277V. These switches offer excellent value while meeting federal specification standards. External screw-pressure-plate back wiring enables fast installation and superior electrical connections. Rugged construction shrugs off hard use and abuse.
Weight per unit	0.1820 (lbs/each)
Product Category	Gen Purpose Switches

Features

Connection Type	Wired
Contact Configuration	One piece brass alloy contact arm
Contact Rating	Oversized silver alloy contacts
Degree Of Protection	1500V Dielectric Withstand Voltage
Load Rating	20 A @ 120/277 VAC
Load Type	Fluorescent, LED, Xenon, Universal, Incandescent, CFL, Halogen
Material	Thermoplastic
Mounting Type	Wall Box
Number Of Gangs	1
Number Of Switches	1.0
Poles	3-way
Switch Type	Toggle
Voltage	120 VAC, 277 VAC
Voltage Rating	120/277
Wall Plate Included	NO
Wire Size	#14 - #10 Awg
Action	Three pole
Actuator	Toggle
Amperage Rating	20
Connection	Side Wire or external screw-pressure plate
Indoor/Outdoor	Indoor
Insulation	False
Media	Yes
Throw Type	Double Throw

Material, Color, and Finish

Finish	Matte

Dimensions and Weight

Size	3.3 in

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Descriptions

Description	20A 120/277VAC S WIRE COMM 3W SW I
Features	Single Piece Plated Steel Mounting Strap Commercial 3-Way Switch, Side-Wire, 20A 120/277V. These switches offer excellent value while meeting federal specification standards. External screw-pressure-plate back wiring enables fast installation and superior electrical connections. Rugged construction shrugs off hard use and abuse.
Long Description	Commercial 3-Way Switch, Side-Wire, 20A 120/277V. These switches offer excellent value while meeting federal specification standards. External screw-pressure-plate back wiring enables fast installation and superior electrical connections. Rugged construction shrugs off hard use and abuse.
Product Type	20A 120/277VAC S Wire Comm 3W SW I
Special Features	Side wire, locking support, heavy duty toggle
Extra Long Description	PAS CS20AC3I 20A 120/277VAC S WIRE

Manufacturer Information

Brand	Pass and Seymour LEGRAND-PASS & SEYMOUR
GTIN	00785007126532
Manufacturers Part Number	CS20AC3I
UPC	785007

Taxonomies, Classifications, and Categories

Category Description	Commercial switches
Type	SWITCH

Trade Size

Amperage	20.0

Packaging

Carton	1
Package	50
Weight Per Each	0.1820 (lbs/each)

Uses, Certifications, and Standards

Application	Commercial
Enclosure	Nylon
Mounting	WALL
Operating Temperature	-40°-115°F
Nema Rating	WD-1 and WD-6
Standard	CULUS, FEDSPEC, UL Listed E140597, Standard UL20, FedSpec WS896, Flammability Rating UL94 V2, FEDSPEC

PASS & SEYMOUR®
Commercial Grade Switches
15 & 20A, 120/277VAC



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

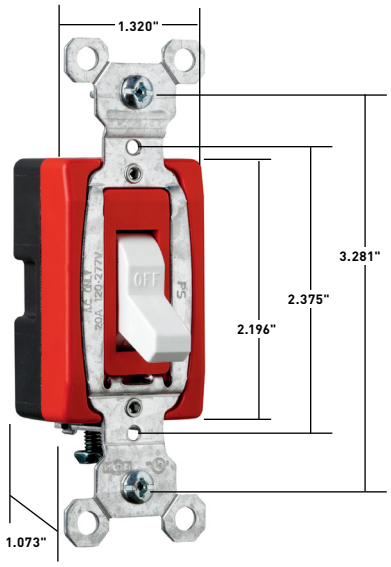
Cam control and spring actuator for positive "makes and breaks" with a minimum of arcing

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



Dimensions for 15 & 20 Amp

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

15 Amp Cover	Blue
20 Amp Cover	Red

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**

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