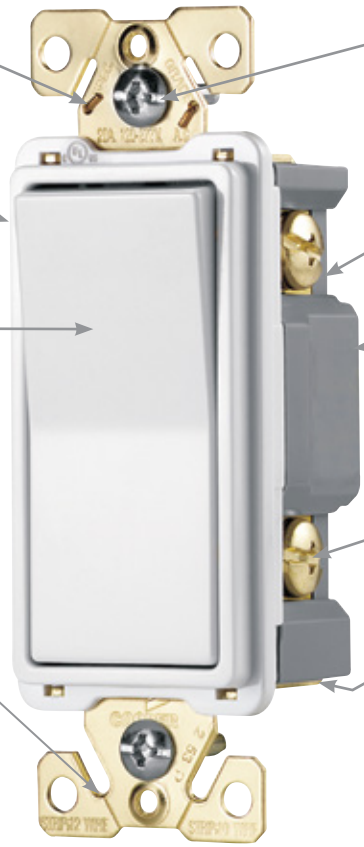
Commercial grade switches

Designed for the most demanding commercial applications

Arrow Hart's commercial grade switches are designed to provide superior quality, reliability and performance in a variety of commercial environments

Commercial grade AC switch features & benefits



Automatic grounding eliminates need for bonding jumper in metal enclosures

Welded construction provides superior assembly security under heavy use

Smooth face for ease of cleaning

Built-in wire stripper to speed up installation

Tri-combo head terminal and mounting screws, plus easy-access grounding terminal

Stippled line and ground contacts ensure solid contact; ground screw clamp provides secure wiring

Tapered back-wire openings handle multiple sizes and types, up to #10 AWG solid or stranded wire

Oversized termination screws for simplified wire installation

Horsepower rated for motor loads

Horsepower rated for motor loads per UL20

Amps	120V/AC	240V/AC	277V/AC	Max.
15A	1/2 HP	2HP	2HP	12A
20A	1HP	2HP	2HP	16A

A complete line of switches available for any commercial application:

Combination switches

CuVerro® antimicrobial surfaces

Commercial grade CSB series

Commercial grade CS series

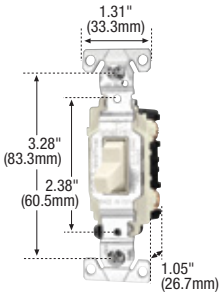
Compliances, specifications and availability are subject to change without notice.

www.eaton.com
www.eaton.com/arrowhart

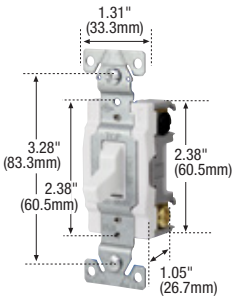
Commercial grade AC toggle switches

Product description

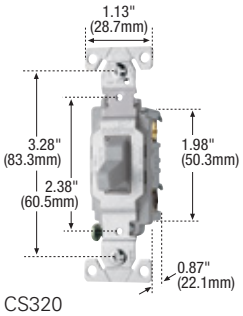
Single-pole, double-pole, 3-way, 4-way
15A, 120/277V/AC; 20A, 120/277V/AC



CSB320



CSB415



CS320

AC toggle switches, back & side wire

Rating A	Rating V/AC	Description	Color suffix	Catalog no.			
15	120/277	Single-pole, toggle	B, GY, LA, V, W	☐ CSB115__	•	•	•
		Single-pole, small toggle	A, LA, V, W	☐ CSB115ST__	•	•	•
		Double-pole, toggle	B, GY, LA, V, W	☐ CSB215__	•	•	•
		3-Way, toggle	B, GY, LA, V, W	☐ CSB315__	•	•	•
		3-Way, small toggle	A, B, LA, V, W	☐ CSB315ST__	•	•	•
		4-Way, toggle	B, GY, V, W, LA	☐ CSB415__	•	•	•
20	120/277	Single-pole, toggle	B, GY, LA, V, W	☐ CSB120__	•	•	•
		Double-pole, toggle	B, GY, LA, V, W	☐ CSB220__	•	•	•
		3-Way, toggle	B, GY, LA, V, W	☐ CSB320__	•	•	•
		4-Way, toggle	B, GY, V, W	☐ CSB420__	•	•	•

AC toggle switches, side wire

Rating A	Rating V/AC	Description	Color suffix	Catalog no.			
15	120/277	Single-pole, compact toggle	A, B, BK, GY, LA, V, W	☐ CS115___	•	•	•
		Double-pole, compact toggle	B, BK, GY, LA, V, W	☐ CS215___	•	•	•
		3-Way, compact toggle	B, BK, GY, LA, V, W	☐ CS315___	•	•	•
		4-Way, compact toggle	B, GY, LA, V, W	☐ CS415___	•	•	•
20	120/277	Single-pole, compact toggle	A, B, BK, GY, LA, V, W	☐ CS120___	•	•	•
		Double-pole, compact toggle	B, BK, GY, LA, V, W	☐ CS220___	•	•	•
		3-Way, compact toggle	B, BK, GY, LA, V, W	☐ CS320___	•	•	•
		4-Way, compact toggle	B, GY, LA, V, W	☐ CS420___	•	•	•

Accessories for commercial specification grade switches

Description	Catalog no.		
1-Gang, standard size toggle, 302/304 Stainless steel wallplate	☐ 93071	•	•
2-Gang, standard size toggle, 302/304 Stainless steel wallplate	☐ 93072	•	•
1-Gang, standard size toggle, unbreakable nylon wallplate, red	☐ 5134RD	•	•
2-Gang, standard size toggle, unbreakable nylon wallplate, white	☐ 5139W	•	•
4-Gang, standard size toggle, unbreakable nylon wallplate, white	☐ 5154W	•	•

93071

93072

5124RD

5139W

5154W

Color ordering information:

For ordering devices, include Catalog no. Followed by the Color suffix: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), V (Ivory), W (White)

A	B	BK	GY	LA	V	W
(Almond)	(Brown)	(Black)	(Gray)	(Lt. Almond)	(Ivory)	(White)

Specification information: 120/277V/AC commercial toggle: E-41
Compliances, specifications and availability are subject to change without notice.

Build-to-spec customizable devices - Page E-6
Indicates NAFTA compliant - Page Q-32
RoHS compliant - Page Q-32

Commercial grade toggle switches

Product description

Single-pole, double-pole, 3-way, 4-way
15A & 20A, 120/277V/AC
15A, 120/277V/AC with 15A, 125V/AC receptacle

Switch type	Commercial 15A & 20A 120/277V toggle switches: CSB series	Commercial 15A & 20A 120/277V toggle switches: CS series	Commercial 15A toggle combination switches: 270 series, 294	Commercial 15A 120 - 15A, 125V toggle combo switch & receptacle: TR274, TR291, TR293
Wiring type	Back & side wire	Side wire	Back & side wire	Back & side wire
Testing & code compliance	• cULus Listed to UL20, file no. E18704 • UL verified to Fed Spec WC-896G	• cULus Listed to UL20, file no. E18704 • UL verified to Fed Spec WC-896G • CSA certified to C22.2, no. 11 file no. 10016 (6241-05)	• cULus Listed to UL20, file no. E18704 (combination) • CSA certified to C22.2, no. 11 file no. 10016 (6241-05) • NOM certified	• Listed to UL20/UL498, file no. E18704 (combination) • NOM certified, except 291
Environmental specifications	**Flammability:** Meets UL94 requirements; V0 rated **Temperature rating:** -20°C to 60°C (-4°F to 140°F)	**Flammability:** Meets UL94 requirements; V0 rated **Temperature rating:** -20°C to 60°C (-4°F to 140°F)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -20°C to 60°C (-4°F to 140°F)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -20°C to 60°C (-4°F to 140°F)
Electrical specifications	**Dielectric voltage:** Withstands 1500V per UL20 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30°C (86°F) after 100 cycles of overload and 50,000 cycles of endurance testing	**Dielectric voltage:** Withstands 1500V per UL20 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30°C (86°F) after 100 cycles of overload and 50,000 cycles of endurance testing	**Dielectric voltage:** Withstands 1500V per UL20 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing	**Dielectric voltage:** Switch: Withstands 1500V per UL20 Receptacle: Withstands 2000V per UL498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Switch: Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing Receptacle: Max. 30°C (86°F) after 100 cycles of overload at 150% of rated current (DC)
Mechanical specifications	**Terminal accommodation:** #14 - #10 AWG **Voltage ratings:** Permanently marked on device **Horsepower ratings:** Rated for motor loads per UL20: 15A: @ 120V/AC = 1/2 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 12A. 20A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 16A	**Terminal accommodation:** #14 - #10 AWG **Voltage ratings:** Permanently marked on device **Horsepower ratings:** Rated for motor loads per UL20: 15A: @ 120V/AC = 1/2 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 12A. 20A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 16A	**Terminal accommodation:** #14 -#12 AWG **Voltage ratings:** Permanently marked on device **Horsepower ratings:** Rated for motor loads per UL20: 15A: @ 120V/AC = 1/2 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 12A	**Terminal accommodation:** #14 -#12 AWG **Voltage ratings:** Permanently marked on device **Horsepower ratings:** Switch rated for motor loads per UL20: 15A: @ 120V/AC = 1/2 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 12A
Materials	**Toggle:** Nylon **Top housing:** PVC **Bottom housing:** PVC **Strap:** 0.045" thick steel, zinc plated **Terminals:** 0.031" thick brass **Terminal screws:** #8-32 steel, brass plated or zinc plated **Ground screw:** #8-32 steel, zinc plated, green **Back wire clamp:** Brass **Contacts:** Silver alloy **Moveable contact arm:** Brass **Pilot light models:** N/A **Receptacle line contacts:** N/A **Receptacle ground shunt:** N/A	**Toggle:** Nylon **Top housing:** PVC **Bottom housing:** PVC **Strap:** 0.045" thick steel, zinc plated **Terminals:** 0.031" thick brass **Terminal screws:** #8-32 steel, brass plated or zinc plated **Ground screw:** #8-32 steel, zinc plated, green **Back wire clamp:** N/A **Contacts:** Silver alloy **Moveable contact arm:** Brass **Pilot light models:** N/A **Receptacle line contacts:** N/A **Receptacle ground shunt:** N/A	**Toggle:** Nylon **Top housing:** PVC **Bottom housing:** PVC **Strap:** 0.045" thick steel, zinc plated **Terminals:** 0.03" thick brass **Terminal screws:** #8-32 steel, brass plated; neutral screw nickel plated **Ground screw:** #8-32 steel, zinc plated, green **Back wire clamp:** Brass **Contacts:** Silver alloy **Moveable contact arm:** Brass **Pilot light models:** Red polycarbonate pilot lens with long-life neon bulb **Receptacle line contacts:** N/A **Receptacle ground shunt:** N/A	**Toggle:** Nylon **Top housing:** PVC **Bottom housing:** PVC **Strap:** 0.045" thick steel, zinc plated **Terminals:** 0.03" thick brass **Terminal screws:** #8-32 steel, brass plated; neutral screw nickel plated **Ground screw:** #8-32 steel, zinc plated, green **Back wire clamp:** Brass **Contacts:** Silver alloy **Moveable contact arm:** Brass **Pilot light models:** N/A **Receptacle line contacts:** 0.030" thick brass **Receptacle ground shunt:** 0.030" thick brass