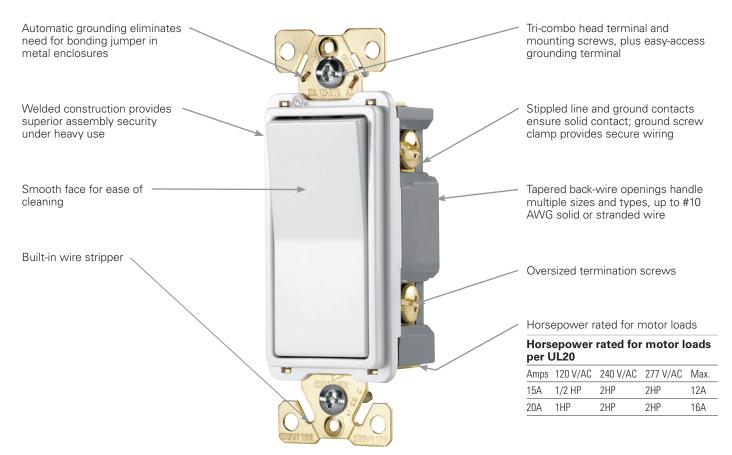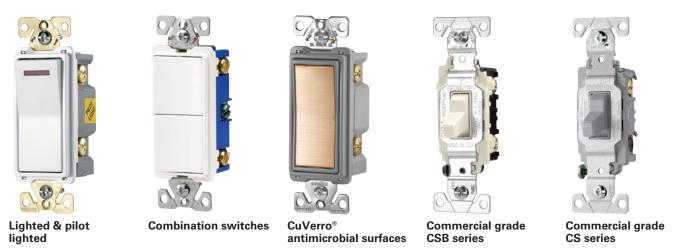# Commercial grade switches

Designed for reliability and durability in 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

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

Horsepower rated for motor loads

Horsepower rated for motor loads per UL20			
Amps	120 V/AC	240 V/AC	277 V/AC	Max.
15A	1/2 HP	2HP	2HP	12A
20A	1HP	2HP	2HP	16A

A complete line of switches available for any commercial application:

Lighted & pilot lighted

Combination switches

CuVerro® antimicrobial surfaces

Commercial grade CSB series

Commercial grade CS series

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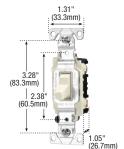
Commercial grade switches

Commercial grade AC toggle switches

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

1.31"
(33.3mm)

3.28"
(83.3mm)

2.38"
(60.5mm)

1.05"
(26.7mm)

CSB320

1.31"
(33.3mm)

3.28"
(83.3mm)

2.38"
(60.5mm)

2.38"
(60.5mm)

1.05"
(26.7mm)

CSB415

1.13"
(28.7mm)

3.28"
(83.3mm)

2.38"
(60.5mm)

1.98"
(50.3mm)

0.87"
(22.1mm)

CS320

AC toggle switches, back & side wire   cULus   F ULs   NOM 426

Rating A	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__	•	•	•

* Not NOM cert

AC toggle switches, side wire   cULus   F ULs   NOM 426

Rating A	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   UL   CSA   cULus

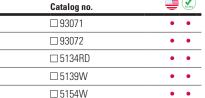| Description	Catalog no.		
1-Gang, standard size toggle, 302/304 stainless steel wallplate	☐ 93071	•	•
2-Gang, standard size toggle, 302/304 stainless steel wallplate	☐ 93072	•	•
1-Gang, standard size toggle, unbreakable nylon wallplate, red	☐ 5134RD	•	•
2-Gang, standard size toggle, unbreakable nylon 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)
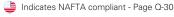
A	B	BK	GY	LA	V	W
(Almond)	(Brown)	(Black)	(Gray)	(Lt. Almond)	(Ivory)	(White)

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

Indicates NAFTA compliant - Page Q-30

RoHS compliant – Page Q-30

Commercial grade 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:** -20ºC to 60ºC (-4ºF to 140ºF)	**Flammability:** Meets UL94 requirements; V0 rated **Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF)
Electrical specifications	**Dielectric voltage:** Withstands 1500V per UL20 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86ºF) 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. 30ºC (86ºF) 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. 30ºC (86ºF) 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. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing Receptacle: Max. 30ºC (86ºF) 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

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