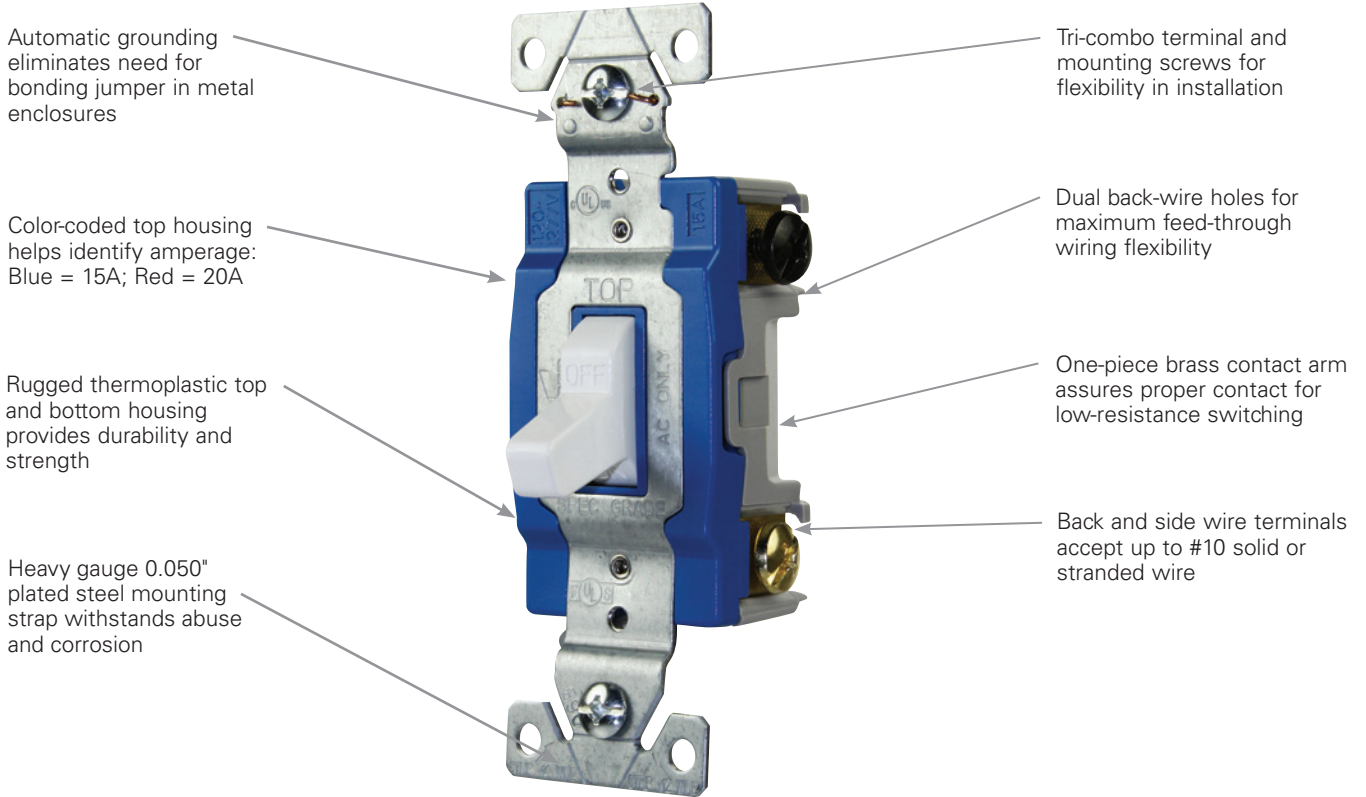


Construction grade switches

Robust construction for commercial applications

Arrow Hart construction grade switches are designed to provide dependable and long lasting performance in a wide range of applications.

Commercial grade switch features & benefits



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.

www.eaton.com
www.arrowhart.com

Commercial grade AC toggle switches

Product description

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

AC toggle switches, back & side wire



| Rating | Description | Color suffix | Catalog no. | |
|------------|---------------------------|-----------------|-------------------------------------|-------|
| 15 120/277 | Single-pole, toggle | B, GY, LA, V, W | <input type="checkbox"/> CSB115__ | • • • |
| | Single-pole, small toggle | A, LA, V, W | <input type="checkbox"/> CSB115ST__ | • • • |
| | Double-pole, toggle | B, GY, LA, V, W | <input type="checkbox"/> CSB215__ | • • • |
| | 3-Way, toggle | B, GY, LA, V, W | <input type="checkbox"/> CSB315__ | • • • |
| | 3-Way, small toggle | A, B, LA, V, W | <input type="checkbox"/> CSB315ST__ | • • • |
| | 4-Way, toggle | B, GY, V, W, LA | <input type="checkbox"/> CSB415__ | • • • |
| 20 120/277 | Single-pole, toggle | B, GY, LA, V, W | <input type="checkbox"/> CSB120__ | • • • |
| | Double-pole, toggle | B, GY, LA, V, W | <input type="checkbox"/> CSB220__ | • • • |
| | 3-Way, toggle | B, GY, LA, V, W | <input type="checkbox"/> CSB320__ | • • • |
| | 4-Way, toggle | B, GY, V, W | <input type="checkbox"/> CSB420__ | • • • |

* Not NOM cert

AC toggle switches, side wire

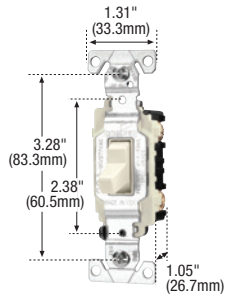


| Rating | Description | Color suffix | Catalog no. | |
|------------|-----------------------------|------------------------|----------------------------------|-------|
| 15 120/277 | Single-pole, compact toggle | A, B, BK, GY, LA, V, W | <input type="checkbox"/> CS115__ | • • • |
| | Double-pole, compact toggle | B, BK, GY, LA, V, W | <input type="checkbox"/> CS215__ | • • • |
| | 3-Way, compact toggle | B, BK, GY, LA, V, W | <input type="checkbox"/> CS315__ | • • • |
| | 4-Way, compact toggle | B, GY, LA, V, W | <input type="checkbox"/> CS415__ | • • • |
| 20 120/277 | Single-pole, compact toggle | A, B, BK, GY, LA, V, W | <input type="checkbox"/> CS120__ | • • • |
| | Double-pole, compact toggle | B, BK, GY, LA, V, W | <input type="checkbox"/> CS220__ | • • • |
| | 3-Way, compact toggle | B, BK, GY, LA, V, W | <input type="checkbox"/> CS320__ | • • • |
| | 4-Way, compact toggle | B, GY, LA, V, W | <input type="checkbox"/> CS420__ | • • • |

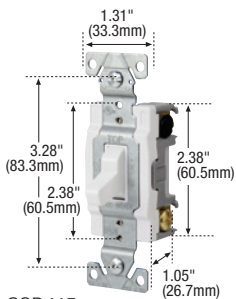
Accessories for commercial specification grade switches



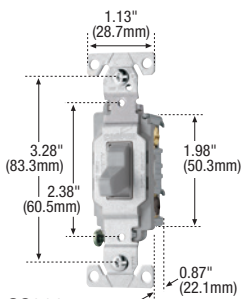
| Description | Catalog no. | |
|--|---------------------------------|-----|
| 1-Gang, standard size toggle, 302/304 stainless steel wallplate | <input type="checkbox"/> 93071 | • • |
| 2-Gang, standard size toggle, 302/304 stainless steel wallplate | <input type="checkbox"/> 93072 | • • |
| 1-Gang, standard size toggle, unbreakable nylon wallplate, red | <input type="checkbox"/> 5134RD | • • |
| 2-Gang, standard size toggle, unbreakable nylon wallplate, white | <input type="checkbox"/> 5139W | • • |
| 4-Gang, standard size toggle, unbreakable nylon wallplate, white | <input type="checkbox"/> 5154W | • • |



CSB320



CSB415



CS320



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-30

RoHS compliant - Page Q-30

Commercial toggle switches specification & performance data



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 | <ul style="list-style-type: none"> cULus Listed to UL20, file no. E18704 UL verified to Fed Spec WC-896G | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> cULus Listed to UL20, file no. E18704 (combination) CSA certified to C22.2, no. 11 file no. 10016 (6241-05) NOM certified | <ul style="list-style-type: none"> Listed to UL20/UL498, file no. E18704 (combination) NOM certified, except 291 |
| Environmental specifications | <p>Flammability: Meets UL94 requirements; V0 rated</p> <p>Temperature rating: -20°C to 60°C (-4°F to 140°F)</p> | <p>Flammability: Meets UL94 requirements; V0 rated</p> <p>Temperature rating: -20°C to 60°C (-4°F to 140°F)</p> | <p>Flammability: Meets UL94 requirements; V2 rated</p> <p>Temperature rating: -20°C to 60°C (-4°F to 140°F)</p> | <p>Flammability: Meets UL94 requirements; V2 rated</p> <p>Temperature rating: -20°C to 60°C (-4°F to 140°F)</p> |
| Electrical specifications | <p>Dielectric voltage: Withstands 1500V per UL20</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 100 cycles of overload and 50,000 cycles of endurance testing</p> | <p>Dielectric voltage: Withstands 1500V per UL20</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 100 cycles of overload and 50,000 cycles of endurance testing</p> | <p>Dielectric voltage: Withstands 1500V per UL20</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p> | <p>Dielectric voltage: Switch: Withstands 1500V per UL20 Receptacle: Withstands 2000V per UL498</p> <p>Current interrupting: Yes, at full-rated current</p> <p>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)</p> |
| Mechanical specifications | <p>Terminal accommodation: #14 - 10 AWG</p> <p>Voltage ratings: Permanently marked on device</p> <p>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</p> | <p>Terminal accommodation: #14 - 10 AWG</p> <p>Voltage ratings: Permanently marked on device</p> <p>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</p> | <p>Terminal accommodation: #14 - 12 AWG</p> <p>Voltage ratings: Permanently marked on device</p> <p>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</p> | <p>Terminal accommodation: #14 - 12 AWG</p> <p>Voltage ratings: Permanently marked on device</p> <p>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</p> |
| Materials | <p>Toggle: Nylon</p> <p>Top housing: PVC</p> <p>Bottom housing: PVC</p> <p>Strap: 0.045" thick steel, zinc plated</p> <p>Terminals: 0.031" thick brass</p> <p>Terminal screws: #8-32 steel, brass plated or zinc plated</p> <p>Ground screw: #8-32 steel, zinc plated, green</p> <p>Back wire clamp: Brass</p> <p>Contacts: Silver alloy</p> <p>Moveable contact arm: Brass</p> <p>Pilot light models: N/A</p> <p>Receptacle line contacts: N/A</p> <p>Receptacle ground shunt: N/A</p> | <p>Toggle: Nylon</p> <p>Top housing: PVC</p> <p>Bottom housing: PVC</p> <p>Strap: 0.045" thick steel, zinc plated</p> <p>Terminals: 0.031" thick brass</p> <p>Terminal screws: #8-32 steel, brass plated or zinc plated</p> <p>Ground screw: #8-32 steel, zinc plated, green</p> <p>Back wire clamp: N/A</p> <p>Contacts: Silver alloy</p> <p>Moveable contact arm: Brass</p> <p>Pilot light models: N/A</p> <p>Receptacle line contacts: N/A</p> <p>Receptacle ground shunt: N/A</p> | <p>Toggle: Nylon</p> <p>Top housing: PVC</p> <p>Bottom housing: PVC</p> <p>Strap: 0.045" thick steel, zinc plated</p> <p>Terminals: 0.03" thick brass</p> <p>Terminal screws: #8-32 steel, brass plated; neutral screw nickel plated</p> <p>Ground screw: #8-32 steel, zinc plated, green</p> <p>Back wire clamp: Brass</p> <p>Contacts: Silver alloy</p> <p>Moveable contact arm: Brass</p> <p>Pilot light models: Red polycarbonate pilot lens with long-life neon bulb</p> <p>Receptacle line contacts: N/A</p> <p>Receptacle ground shunt: N/A</p> | <p>Toggle: Nylon</p> <p>Top housing: PVC</p> <p>Bottom housing: PVC</p> <p>Strap: 0.045" thick steel, zinc plated</p> <p>Terminals: 0.03" thick brass</p> <p>Terminal screws: #8-32 steel, brass plated; neutral screw nickel plated</p> <p>Ground screw: #8-32 steel, zinc plated, green</p> <p>Back wire clamp: Brass</p> <p>Contacts: Silver alloy</p> <p>Moveable contact arm: Brass</p> <p>Pilot light models: N/A</p> <p>Receptacle line contacts: 0.030" thick brass</p> <p>Receptacle ground shunt: 0.030" thick brass</p> |

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

All products on this page are RoHS compliant – Page Q-30