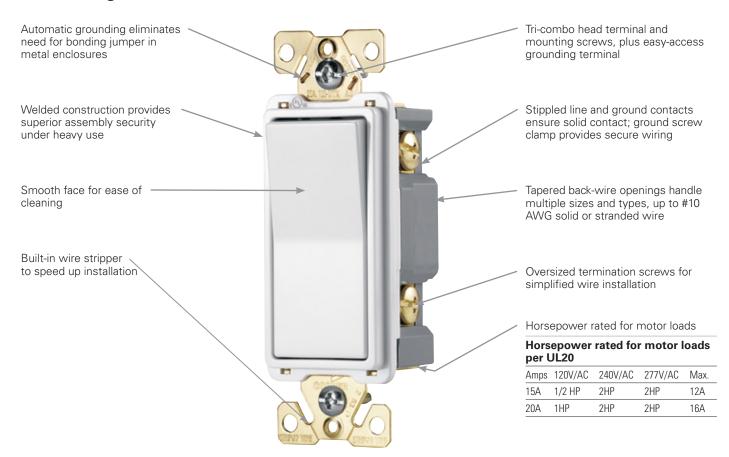
Commercial grade switches



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



A complete line of switches available for any commercial application:



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

AC toggle switches, back & side wire









| R A | ating 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 | ΔΒΙΔΥΜ | □ CSB315ST |

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|------------|-------------------------|--|------------|-------|
| | 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

| R A | ating V/AC | Description | Color suffix | Catalog no. | Ross |
|--------|---------------|-----------------------------|------------------------|-------------|-------|
| 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 c(UL)us

| Description | Catalog no. | RoH5 |
|--|-------------|------|
| 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 | • • |











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)



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





Commercial toggle switches specification & performance data



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 | • UL verified to Fed Spec WC-896G | cULus Listed to UL20, file no. E18704 (combination) CSA certified to C22.2, no. 11 file no. 10016 (6241-05) NOM certified | E18704 (combination) |
| 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 | Dielectric voltage: Withstands 1500V per UL20 | Dielectric voltage: Withstands 1500V per UL20 | Dielectric voltage: Switch: Withstands 1500V per UL20 Receptacle: Withstands 2000V per UL498 |
| | 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 | 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 | 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 | 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 | on device Horsepower ratings: Rated for motor loads per UL20: 15A: @ 120V/AC = 1/2 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 | 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 = | | on device Horsepower ratings: Switch rated for motor loads per UL20: 15A: @ |
| 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 | 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 | 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 line contacts: 0.030" |
| | Receptacle ground shunt: N/A | Receptacle ground shunt: N/A | Receptacle ground shunt: N/A | thick brass Receptacle ground shunt: 0.030" thick brass |