# Switches

## RESIDENTIAL | COMMERCIAL | INDUSTRIAL

**Table of contents**
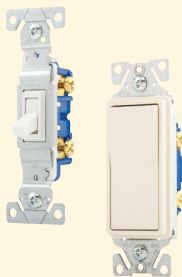
# Switches

Our comprehensive line of switches encompass everything from upscale decorator designs to standard toggle switches and even special-use replacement switches. All of our switches are engineered for smooth action and years of safe, dependable service no matter what the application, type of load or application.

## Switch families

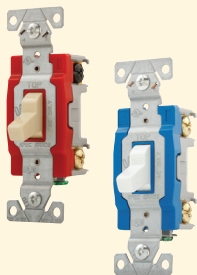**Residential grade switches**

**D-4**

**Canopy switches**

**D-8**
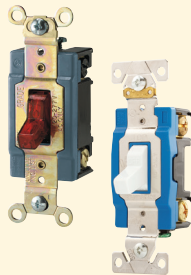
**Commercial specification grade switches**

**D-9**

**Heavy-duty specification grade switches**

**D-15**

**Extra heavy-duty specification grade industrial grade switches**

**D-17**

# The Eaton difference

- Built-in patented wire stripper provides handy backup for misplaced tools
- Longer, wider strap provides 40% more contact area to wallboard, virtually eliminating floating installations
- Ultrasonic welded thermoplastic top and bottom housing eliminates call-backs due to job-site breakage
- Cam action mechanism inside for quiet switch action
- Built-in wire looper to speed termination of both #14 and #12 AWG wire
- Slotted, Phillips and Robertson tri-combo screw heads offer greater installation flexibility
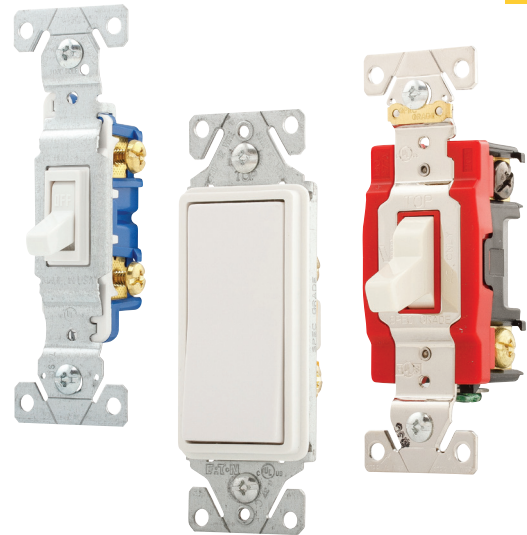
## Specific switch solutions for today's needs

### Aesthetic upgrades

Complete the look of a beautiful redecoration, renovation or new home with decorator switches that provide contemporary styling to coordinate perfectly with today's décor.

See page D-4

Shown: 7503

### Commercial Grade Switches

Available in a variety of configurations, Eaton commercial grade switches combine a stylish design with all the benefits of rugged commercial grade construction for both residential and light commercial applications.

See Page D-10

Shown: 7601LA

### Harsh Environments

For harsh and demanding environments, Eaton offers a complete product line of heavy duty specification grade and extra heavy duty industrial grade switches to address these challenges.

See pages D-16 to D-20

Shown: AH1201W

## Decorator standard grade switches

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

### Design features

- Thermoplastic rocker, top and backbody are virtually unbreakable, promising years of durable performance
- Ultrasonic welding and integrated construction of the strap and body provide superior integrity
- Backwire clamps on the side terminals provide for easy installation of #12 and #14 AWG wire
- Push-in terminals accept #14 AWG solid wire
- Stippled ground screw terminal standard

- 120/277V/AC rating ideal for fluorescent lighting fixtures and a broad variety of applications
- Long, broad mounting strap virtually eliminates floating installations
- Patented built-in wire stripper for #12 and #14 AWG wire to speed installation
- Tri-combo screws accept Slotted, Phillips, and Robertson-head tools for installation flexibility
- Lighted switches glow in "OFF" position

7501

### Decorator switches  c(UL)us  NOM 426

| Rating A | V/AC | Description | Color suffix | Catalog no. | 🌼 |
|---|---|---|---|---|---|
| 15 | 120/277 | Single pole, back wire, push wire | B, BK, GY, LA, V, W | ☐ 7501__ | • |
| | | Auto-grounding single pole, back wire, push wire | B, BK, GY, LA, V, W | ☐ 7501-9__ | • |
| | | 3-way, back wire, push wire | B, BK, GY, LA, V, W | ☐ 7503__ | • |
| | | Auto-grounding 3-way, back wire, push wire | B, BK, GY, LA, V, W | ☐ 7503-9__ | • |
| | | 4-way, back wire, push wire | B, BK, GY, LA, V, W | ☐ 7504__* | |
| | | Lighted single pole, back wire, push wire | LA, V, W | ☐ 7511__ | |
| | | Lighted 3-way, back wire, push wire | LA, V, W | ☐ 7513__ | |

cULus Listed to UL20, file no. E18704; 7504 also UL Listed to Federal Spec WS-896E *Fed Spec.

### AC decorator switches, back & side wire  c(UL)us  NOM 426

| Rating A | V/AC | Description | Color | Catalog no. |
|---|---|---|---|---|
| 15 | 120/277 | Single pole, two position, momentary contact, decorator | W | ☐ 7521W |

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

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

**Specification information:** Please visit www.eaton.com/wiringdevices
**Compliances, specifications and availability are subject to change without notice.**

🌼 Indicates USMCA compliant - Page Q-41

## Standard grade toggle switches

### Product description

Single pole, 3-way, 4-way
15A,120V/AC

### Design features

- 3-way switches feature additional push-in common termination for feed-through tapping
- Push-in terminals accept #14 AWG solid wire only; side wire terminals accept up to #10 AWG solid wire
- Long, broad mounting strap virtually eliminates floating installations
- Patented built-in wire stripper for #12 and #14 AWG wire to speed installation
- Patented built-in wire looper for pre-looping
- Tri-combo screws accept Slotted, Phillips, and Robertson-head tools for installation flexibility
- Lighted toggle glows in "OFF" position

1303

1301-7

1301-73

### Toggle switches, non-grounding  cULus  NOM 426

| Rating | | Description | Color suffix | Catalog no. | 🌻 |
|---|---|---|---|---|---|
| A | V/AC | | | | |
| 15 | 120 | Single pole, side wire & push wire | B, BK, LA, V, W | ☐ 1301__ | • |
| | | 3-way, back wire, side wire & push wire | B, BK, LA, V, W | ☐ 1303__ | • |

cULus Listed to UL20, CSA C22.2 no. 111, file no. E18704

### Toggle switches, grounding  cULus  NOM 426

| Rating | | Description | Color suffix | Catalog no. | 🌻 |
|---|---|---|---|---|---|
| A | V/AC | | | | |
| 15 | 120 | Single pole, side wire & push wire | B, BK, LA, V, W | ☐ 1301-7__ | • |
| | | Single pole, side wire & push wire, auto ground | B, BK, LA, V, W | ☐ 1301-9__ | • |
| | | 3-way, back wire, side wire & push wire | B, BK, LA, V, W | ☐ 1303-7__ | • |
| | | 3-way, side wire & push wire, auto ground | B, BK, LA, V, W | ☐ 1303-9__ | • |
| | | 4-way, side wire & push wire | B, BK, LA, V, W | ☐ 1242-7__ | |
| | | Single pole, less ears, side wire & push wire | B, BK, LA, W | ☐ 1301-73__ | • |
| | | Lighted, single pole, side wire & push wire | LA, V, W | ☐ 1301-7LT__ | • |
| | | Lighted, 3-way, side wire & push wire | V, W | ☐ 1303-7LT__ | • |

cULus Listed to UL20, CSA C22.2 no. 111, file no. E18704

### Color ordering information:

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

| B | BK | LA | V | W |
|---|---|---|---|---|
| (Brown) | (Black) | (Lt. Almond) | (Ivory) | (White) |

**Specification information:** Please visit www.eaton.com/wiringdevices
**Compliances, specifications and availability are subject to change without notice.**

🌻 Indicates USMCA compliant - Page Q-41

### Standard grade CO/ALR toggle switches

**Product description**

Single pole & 3-way
15A,120V/AC

**Design features**

- For direct connection to aluminum or copper wire

- Industrial design cam action mechanism ensures quiet switch action

- Side wire terminals accept up to #10 AWG solid copper wire, and up to #10 AWG solid aluminum wire

- Terminal screws backed out—ready for wiring

- Patented built-in wire stripper for #12 and #14 AWG wire to speed installation

- Combination Slot/Phillips head mounting and terminal screws ease installation (Slot/Robertson screws in Canada where available)

- Long, broad mounting strap virtually eliminates floating installations

5221-7

**CO/ALR toggle switches**  c(UL)us  NOM 426

| Rating | | Description | Color suffix | Catalog no. |
|---|---|---|---|---|
| A | V/AC | | | |
| 15 | 120 | Single pole, side wire | V, W | □ 5221-7__ |
| | | 3-way, side wire | V, W | □ 5223-7__ |

cULus Listed to UL20, CSA C22.2 no. 111, file no. E18704

**Color ordering information:**

For ordering devices, include Catalog no. followed by the Color suffix: V (Ivory), W (White)

| V | W |
|---|---|
| (Ivory) | (White) |

**Specification information:** Please visit www.eaton.com/wiringdevices
**Compliances, specifications and availability are subject to change without notice.**

## Miscellaneous standard grade switches

### Product description
Feed-through cord switches

### Design features
- Insulation displacement terminals eliminate need for stripping insulation from cord conductors

**933**

### Feed-through cord switch  (UL)  (SA)  NOM 426

| Rating | | Description | Color suffix | Catalog no. | |
| --- | --- | --- | --- | --- | --- |
| **A** | **V/AC** | | | | |
| 3 | 120 | Feed-though cord switch for flat or round cords, ON-OFF sequence, insulation displacement terminals<br>Fits the following cord types: #18/2 SPT-1, SPT2 or HPN Cord; #16/2 SPT-1, SPT2 or HPN Cord; Round Type SVT Cord (max. dia. 9/32", 7.14mm) | B, V, W | ☐ 933__ | ● |

Listed to UL20, file no. E47968; CSA certified to C22.2, no. 111; NOM certified

**Color ordering information:**

For ordering devices, include Catalog no. followed by the Color suffix: B (Brown), V (Ivory), W (White)

| B | V | W |
| --- | --- | --- |
| (Brown) | (Ivory) | (White) |

**Specification information:** Please visit www.eaton.com/wiringdevices
**Compliances, specifications and availability are subject to change without notice.**

Indicates USMCA compliant - Page Q-41

# Residential grade switches

## Canopy switches

### Product description

Single pole, two-circuit
1A, 125V/AC; 1A, 250V/AC
3A, 125V/AC; 3A, 250V/AC; 6A, 125V/AC

449NP

442

460

458BD

452

### Features

- Wide variety of sizes for use in fixtures, appliances, doorways and equipment
- Shank is threaded 15/32"-32 x 15/32" (11.8mm) long

- Hex nut and finishing nut furnished
- 6" (152.4mm) wire lead terminals, #18 105ºC stripped 0.75" (19.1mm)

### Push button  ⊕ᴿᵁ

| A | Rating V/AC | Circuit | Description | Sequence | Finish | Catalog no. |
|---|---|---|---|---|---|---|
| 1 | 125 "T" | Single pole | Metal push button | On-off | Nickel | ☐ 449NP |
| 1 | 250 | | | | | |
| 3 | 250 | | | | | |

### Pull chain  ⊕ᴿᵁ

| A | Rating V/AC | Circuit | Description | Sequence | Finish | Catalog no. |
|---|---|---|---|---|---|---|
| 1 | 125 "T" | Single pole | Pull chain with end bell | On-off | Nickel | ☐ 458NP |
| 1 | 250 | | | | | |
| 3 | 125 | | | | | |
| 1 | 125 "T" | Single pole | Pull chain with end bell | On-off | Brass | ☐ 458BD |
| 1 | 250 | | | | | |
| 3 | 125 | | | | | |
| 3 | 125 "T" | Single pole | Pull chain with end bell | On-off | Nickel | ☐ 442 |
| 3 | 250 | | | | | |
| 6 | 125 | | | | | |
| 3 | 250 | Two-circuit | Pull chain with end bell | Lo-med-hi-off | Brass | ☐ 460* |
| 6 | 125 | | | | | |

*cᴿᵁus Listed

## Circuit control switch

### Product description

Single pole
3A, 250V/AC
6A, 125V/AC

### Features

- Shank is threaded 15/32"-32 x 9/32" (7.1mm) long
- Keyed shank, indicator plate and finishing nut furnished

- 6" (152.4mm) wire leads, #18 105ºC stripped 0.75" (19.1mm)

### Circuit control toggle switch  ⊕ᶜˢᴾˢ

| A | Rating V/AC | Circuit | Description | Sequence | Color | Catalog no. |
|---|---|---|---|---|---|---|
| 3 | 250 | SPST | Metal bat handle | ON-OFF | Silver | ☐ 452 |
| 6 | 125 | | | | | |

### Color ordering information:

BD (Brass), NP (Nickel)

| BD | NP |
|---|---|
| (Brass) | (Nickel) |

**Specification information:** Please visit www.eaton.com/wiringdevices
**Compliances, specifications and availability are subject to change without notice.**

# Commercial specification grade switches

## Designed for the most demanding commercial applications

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

## Commercial specification 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**
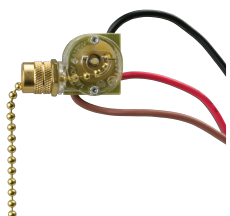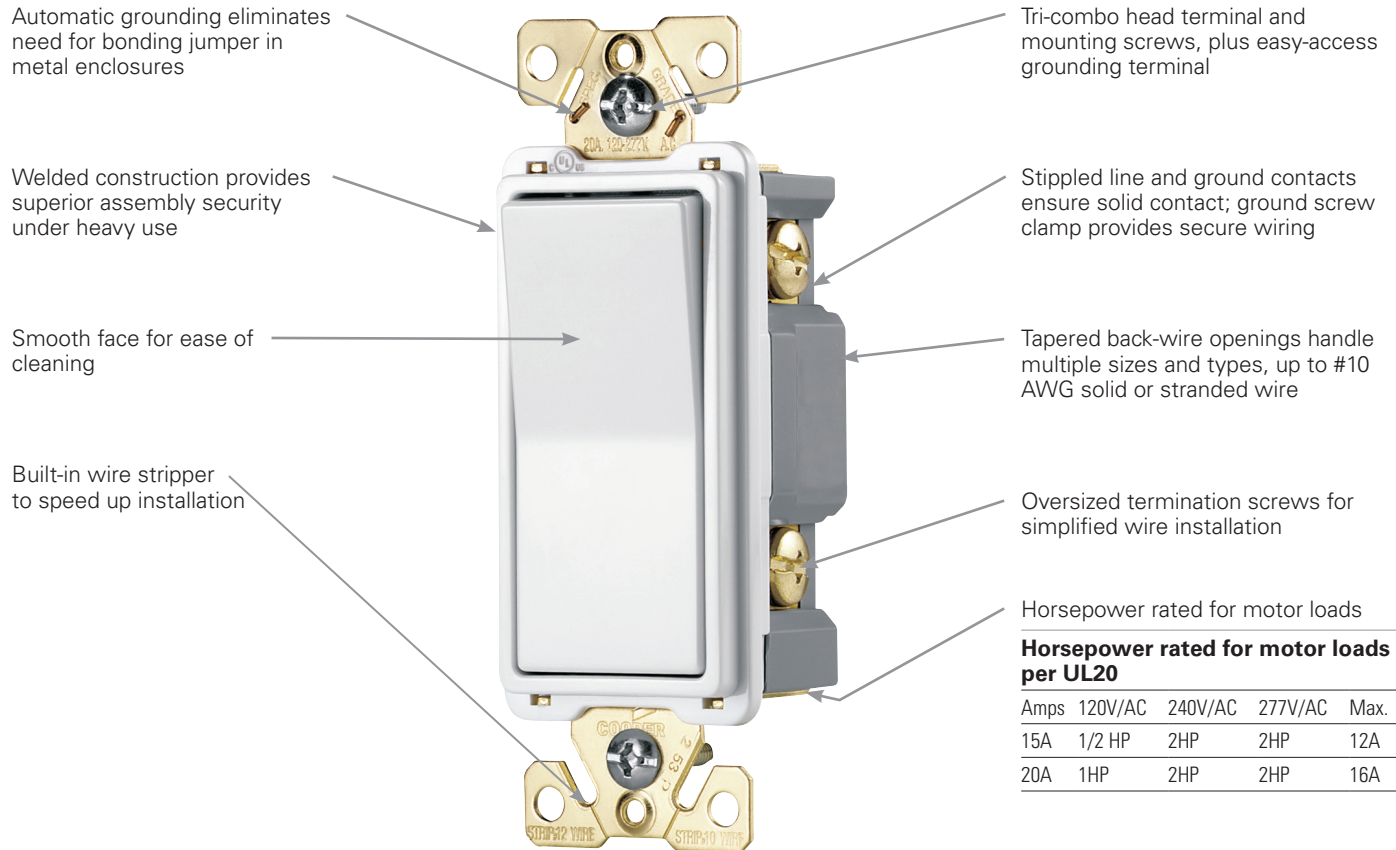
**Commercial grade CSB series**

**Commercial grade CS series**

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

# Commercial specification grade switches

## Commercial specification grade AC decorator switches

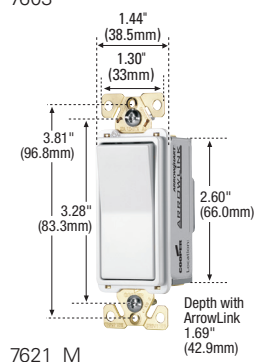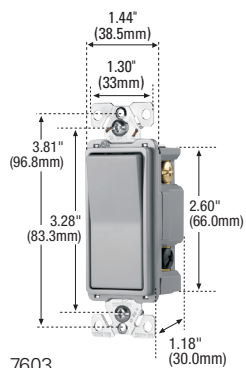### Product description
Single pole, double pole, 3-way, 4-way
15A, 120/277V/AC
20A, 120/277V/AC

### AC decorator switches, back & side wire  cULus  FULS  NOM 426

| A | Rating V/AC | Description | Color suffix | Catalog no. | ▶▶ |
|---|---|---|---|---|---|
| 15 | 120/277 | Single pole, decorator | B, BK, GY, LA, V, W | ☐ 7601__ | • |
| | | 3-Way, decorator | B, BK, GY, LA, V, W | ☐ 7603__ | |
| | | 4-Way, decorator | B, BK, GY, LA, V, W | ☐ 7604__ | |
| 20 | 120/277 | Single pole, decorator | B, BK, GY, LA, RD, V, W | ☐ 7621__ | • |
| | | Double pole decorator | B, BK, GY, LA, V, W | ☐ 7622__ | |
| | | 3-Way, decorator | B, BK, GY, LA, RD, V, W | ☐ 7623__ | |
| | | 4-Way, decorator | B, BK, GY, LA, V, W | ☐ 7624__ | |

1.44"
(38.5mm)

1.30"
(33mm)

3.81"
(96.8mm)

3.28"
(83.3mm)

2.60"
(66.0mm)

1.18"
(30.0mm)

7603

1.44"
(38.5mm)

1.30"
(33mm)

3.81"
(96.8mm)

3.28"
(83.3mm)

2.60"
(66.0mm)

Depth with
ArrowLink
1.69"
(42.9mm)

7621_M

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

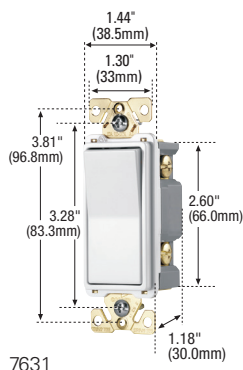| B | BK | GY | LA | RD | V | W |
|---|---|---|---|---|---|---|
| (Brown) | (Black) | (Gray) | (Lt. Almond) | (Red) | (Ivory) | (White) |

**Specification information:** D-21
**Compliances, specifications and availability are subject to change without notice.**

▶▶ ArrowLink option available. Add "MOD" suffix to standard catalog number (example SGF15W, SGF15WMOD).
For ordering information on ArrowLink & ArrowLink SPD connectors, please visit www.eaton.com/wiringdevices

# Commercial specification grade switches

## Commercial specification grade AC decorator switches

### Product description

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

1.44"
(38.5mm)

1.30"
(33mm)

3.81"
(96.8mm)

3.28"
(83.3mm)

2.60"
(66.0mm)

1.18"
(30.0mm)

7631

### AC decorator switches, back & side wire    c(UL)us  F(UL)S  NOM 426

| Rating A | V/AC | Description | Color suffix | Catalog no. | |
|---|---|---|---|---|---|
| 20 | 120/277 | Single pole, lighted decorator | LA, V, W | ☐ 7631__ | • |
| | | 3-Way, lighted decorator | LA, V, W | ☐ 7633__ | |
| | | 4-Way, lighted decorator | LA, V, W | ☐ 7634__ | |

### AC decorator switches, back & side wire    c(UL)us  F(UL)S  NOM 426

| Rating A | V/AC | Description | Color suffix | Catalog no. | |
|---|---|---|---|---|---|
| 15 | 347 | Single pole, decorator | V, W | ☐ 7601-347__ | • |
| | | 3-Way, decorator | V, W | ☐ 7603-347__ | |
| | | 4-Way, decorator | V, W | ☐ 7604-347__ | |
| 20 | 347 | Single pole, decorator | V, W | ☐ 7621-347__ | • |
| | | Double pole, decorator | V, W | ☐ 7622-347__ | |
| | | 3-Way, decorator | V, W | ☐ 7623-347__ | |
| | | 4-Way, decorator | V, W | ☐ 7624-347__ | |

### AC decorator switches, back & side wire    c(UL)us  NOM 426

| Rating A | V/AC | Description | Color | Catalog no. |
|---|---|---|---|---|
| 15 | 120/277 | Single pole, two position, momentary contact, decorator | W | ☐ 7521W |

### Color ordering information:

For ordering devices, include Catalog no. followed by the Color suffix: LA (Light Almond), V (Ivory), W (White)

| LA | V | W |
|---|---|---|
| (Lt. Almond) | (Ivory) | (White) |

**Specification information:** D-21
**Compliances, specifications and availability are subject to change without notice.**

▶▶ ArrowLink option available. Add "MOD" suffix to standard catalog number (example SGF15W, SGF15WMOD).
For ordering information on ArrowLink & ArrowLink SPD connectors, please visit www.eaton.com/wiringdevices

## Commercial specification grade AC toggle switches

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

1.30"
(33mm)

3.28"
(83.3mm)

2.38"
(60.5mm)

1.05"
(26.7mm)

**CSB320**

1.30"
(33mm)

3.28"
(83.3mm)

2.38"
(60.5mm)

2.38"
(60.5mm)

1.05"
(26.7mm)

**CSB415**

1.30"
(33mm)

3.28"
(83.3mm)

2.38"
(60.5mm)

1.98"
(50.3mm)

0.87"
(22.1mm)

**CS320**

### AC toggle switches, back & side wire    c(UL)us  F(UL)S  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 | 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 | 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    c(UL)us  F(UL)S  NOM 426

| Rating A | V/AC | Description | Color suffix | Catalog no. | 🌸 |
|---|---|---|---|---|---|
| 15 | 120/277 | Single pole, compact toggle | 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 | 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. | 🌸 |
|---|---|---|
| 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 | • |

Stainless steel wallplates made in China.

93071    93072    5124RD    5139W    5154W

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

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

**Specification information:** D-22
**Compliances, specifications and availability are subject to change without notice.**

🌸 Indicates USMCA compliant - Page Q-41

## Commercial grade AC decorator combination switches

### Product description

Single pole, 3-way
15A, 120/277V/AC



1.30"
(33.0mm)

4.19"
(106.4mm)

2.65"
(67.3mm)

3.28"
(83.3mm)

1.08"
(27.4mm)

**7728**

### Decorator combination switches, back & side wire

| Rating A | V/AC | Description | Color suffix | Catalog no. |
|---|---|---|---|---|
| 15 | 120/277 | (2) Single pole, switches | BK, LA, V, W | ☐ 7728__ |
| | | (3) Single pole, switches | BK, LA, V, W | ☐ 7729__ |
| | | (2) 3-Way, switches | BK, LA, V, W | ☐ 7731__ |
| | | (1) Single pole switch with (1) 3-Way switch | BK, LA, V, W | ☐ 7732__ |

### Decorator switch with receptacle, back & side wire

| Rating A | V/AC | Description | Color suffix | Catalog no. |
|---|---|---|---|---|
| 15 | 120/277 | (1) Single pole with NEMA 5-15, | BK, LA, V, W | ☐ TR7730___ |
| 15 | 125 | (1) 2-Pole, 3-wire tamper resistant receptacle | | |



1.30"
(33.0mm)

4.19"
(106.4mm)

2.65"
(67.3mm)

3.28"
(83.3mm)

1.08"
(27.4mm)

**7729**

### Accessories for commercial specification grade switches

| Description | Catalog no. | |
|---|---|---|
| 1-Gang, standard size, decorator, 302/304 Stainless steel wallplate | ☐ 93401 | • |
| 2-Gang, standard size, decorator, 302/304 Stainless steel wallplate | ☐ 93402 | • |
| 1-Gang, standard size, decorator, unbreakable nylon wallplate, white | ☐ 5151W | • |

Stainless steel wallplates made in China.



1.30"
(33.0mm)

4.19"
(106.4mm)

2.8"
(71.12mm)

3.28"
(83.3mm)

1.08"
(27.4mm)

**TR7730**
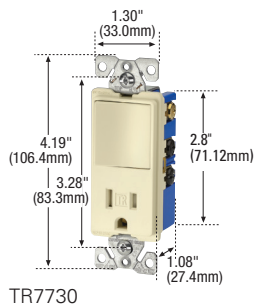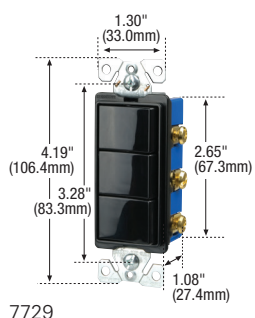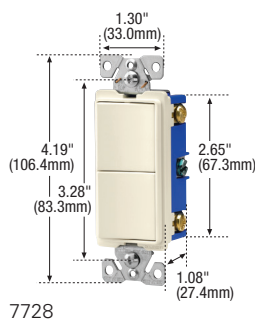


**93401**



**930402**



**5151W**

### Color ordering information:

For ordering devices, include Catalog no. followed by the Color suffix: BK (Black), LA (Light Almond), V (Ivory), W (White)

| BK | LA | V | W |
|---|---|---|---|
| (Black) | (Lt. Almond) | (Ivory) | (White) |

**Specification information:** D-21
**Compliances, specifications and availability are subject to change without notice.**
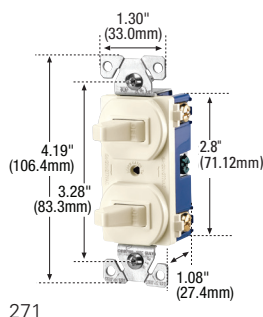
Indicates USMCA compliant - Page Q-41
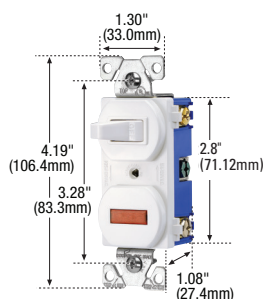
## Commercial grade AC toggle combination switches

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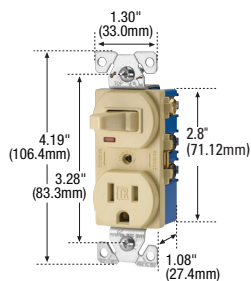Single pole, 3-way
15A, 120/277V/AC; 15A, 120V/AC
20A, 120V/AC

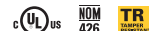### Toggle combination switches, back & side wire   c(UL)us  NOM 426

| Rating A | V/AC | Description | Color suffix | Catalog no. |
|---|---|---|---|---|
| 15 | 120/277 | (2) Single pole, switches | B, LA, V, W | □ 271__ |
| | | (1) Single pole, switch with (1) 3-Way switch | B, LA, V, W | □ 275__ |
| | | (2) 3-Way, switches | LA, V, W | □ 276__ |
| 15 | 120 | (1) Single pole, switch 1/25w (1) 125V pilot light | B, LA, V, W | □ 277__* |
| | | (1) 3-Way, switch w/pilot light 1/25w (1) 125V pilot light | B, V | □ 294__* |

\* Not NOM cert

271

277

### Toggle switch with receptacle, back & side wire   c(UL)us  NOM 426  TR TAMPER RESISTANT

| Rating A | V/AC | Description | Color suffix | Catalog no. |
|---|---|---|---|---|
| 15 15 | 120 125 | (1) Single pole, switch with NEMA 5-15 (1) 2-Pole, 3-wire tamper resistant receptacle | B, BK, LA, V, W | □ TR274___ |
| 15 15 | 120 125 | (1) 3-Way switch with NEMA 5-15 (1) 2-Pole, 3-wire tamper resistant receptacle | B, BK, LA, V, W | □ TR293___ |
| 20 20 | 120 125 | (1) Single pole, switch with NEMA 5-20 (1) 2-Pole, 3-wire tamper resistant receptacle | B, BK, LA, V, W | □ TR291___* |

\* Not NOM cert

TR274

### Accessories for commercial specification grade toggle combination switches   c(UL)us

| Description | Catalog no. | 🌸 |
|---|---|---|
| 1-Gang, standard size duplex, 302/304 Stainless steel receptacle wallplate | □ 93101 | • |
| 1-Gang, standard size duplex, unbreakable nylon receptacle wallplate, almond | □ 5132A | • |

Stainless steel wallplates made in China.

93101

5132V

### Color ordering information:
For ordering devices, include Catalog no. followed by the Color suffix: B (Brown), BK (Black), LA (Light Almond), V (Ivory), W (White)

| B (Brown) | BK (Black) | LA (Lt. Almond) | V (Ivory) | W (White) |
|---|---|---|---|---|

**Specification information:** D-22
**Compliances, specifications and availability are subject to change without notice.**

🌸 Indicates USMCA compliant - Page Q-41          TR Tamper resistant

# Heavy-duty specification grade switches

## Robust construction for commercial applications

Arrow Hart's heavy-duty specification grade switches are designed to provide dependable and long lasting performance in a wide range of applications.

## Heavy-duty specification grade switch features & benefits
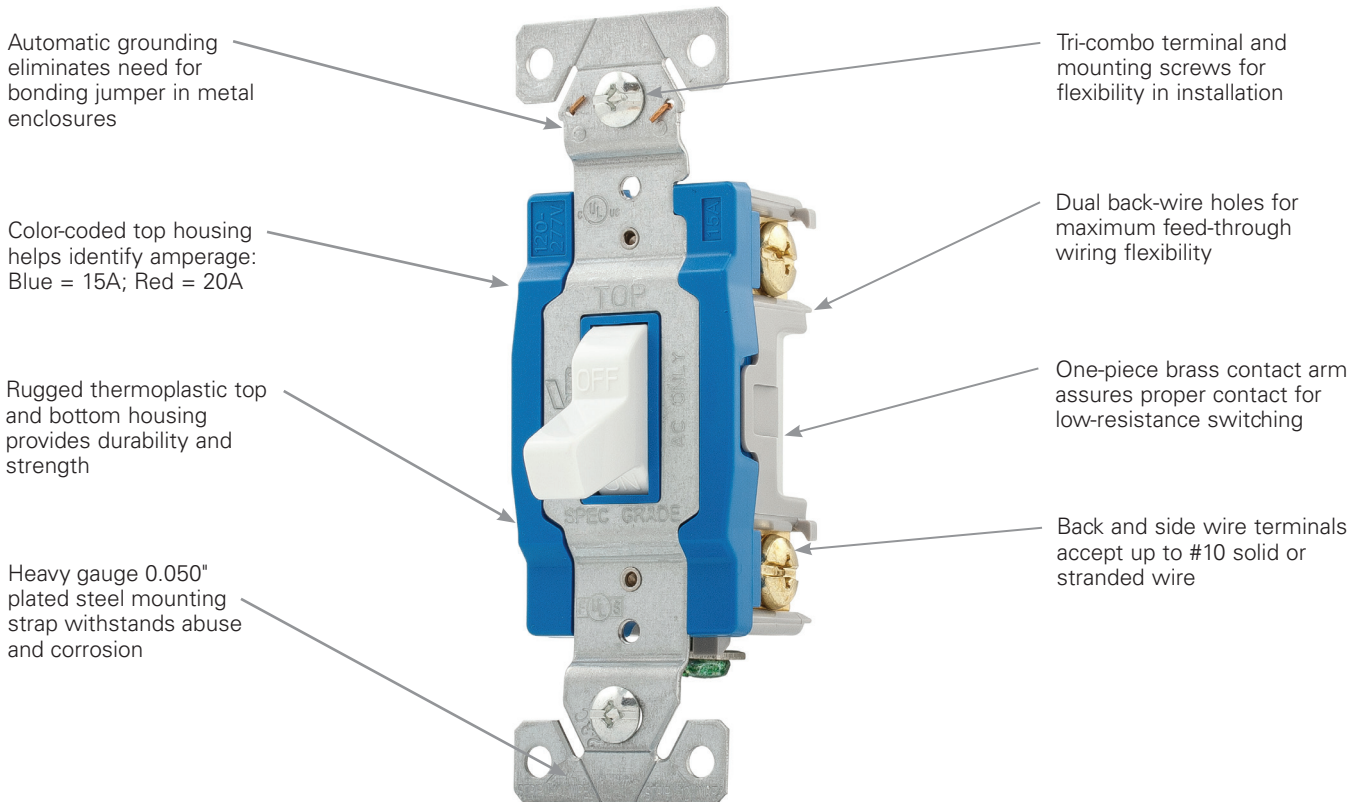
Automatic grounding eliminates need for bonding jumper in metal enclosures

Color-coded top housing helps identify amperage: Blue = 15A; Red = 20A

Rugged thermoplastic top and bottom housing provides durability and strength

Heavy gauge 0.050" plated steel mounting strap withstands abuse and corrosion

Tri-combo terminal and mounting screws for flexibility in installation

Dual back-wire holes for maximum feed-through wiring flexibility

One-piece brass contact arm assures proper contact for low-resistance switching

Back and side wire terminals accept up to #10 solid or stranded wire

# Heavy-duty specification grade switches

## Heavy-duty specification grade switches

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

1.30"
(33mm)

2.38"
(60.5mm)

3.28"
.3mm)

1.05"
(26.7mm)
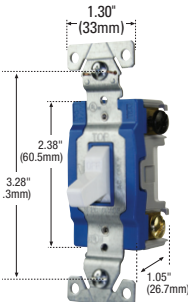
1201

### Heavy-duty specification grade switch back and side wire  c(UL)us  F(UL)S  NOM 426

| Rating A | V/AC | Description | Color suffix | Catalog no. |
|---|---|---|---|---|
| 15 | 120/277 | Single pole toggle switch | B, GY, LA, V, W | □ 1201__ |
| 15 | 120/277 | 3-Way toggle switch | B, GY, LA, V, W | □ 1203__ |
| 20 | 120/277 | Single pole toggle switch | B, GY, LA, V, W | □ 1221__ |
| 20 | 120/277 | Double pole toggle switch | B, GY, LA, V, W | □ 1222__ |
| 20 | 120/277 | 3-Way toggle switch | B, GY, LA, V, W | □ 1223__ |
| 20 | 120/277 | 4-Way toggle switch | B, GY, LA, V, W | □ 1224__ |

### Color ordering information:
For ordering devices, include Catalog no. followed by the Color suffix: B (Brown), GY (Gray), LA (Light Almond), V (Ivory), W (White)

| B | GY | LA | V | W |
|---|---|---|---|---|
| (Brown) | (Gray) | (Lt. Almond) | (Ivory) | (White) |

**Specification information:** D-23
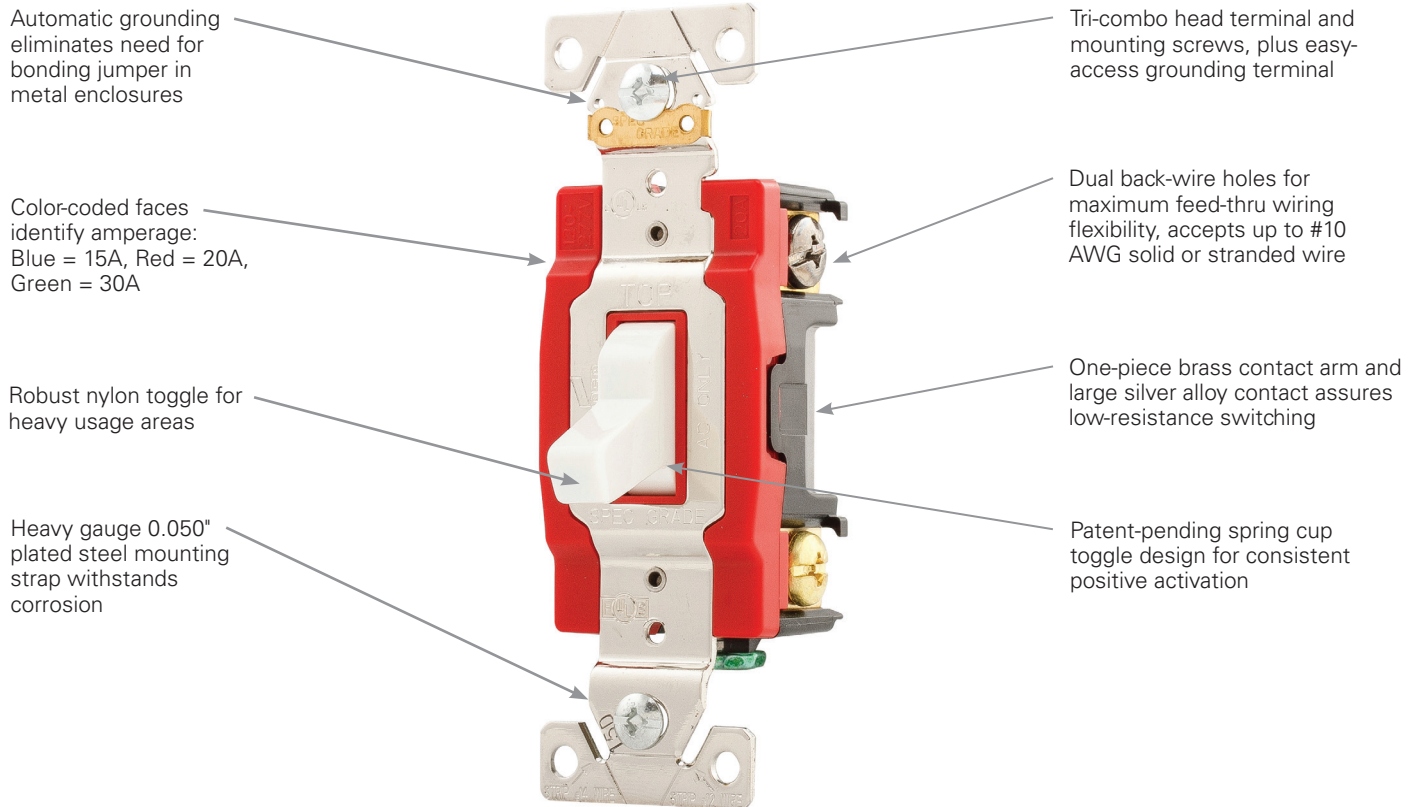**Compliances, specifications and availability are subject to change without notice.**
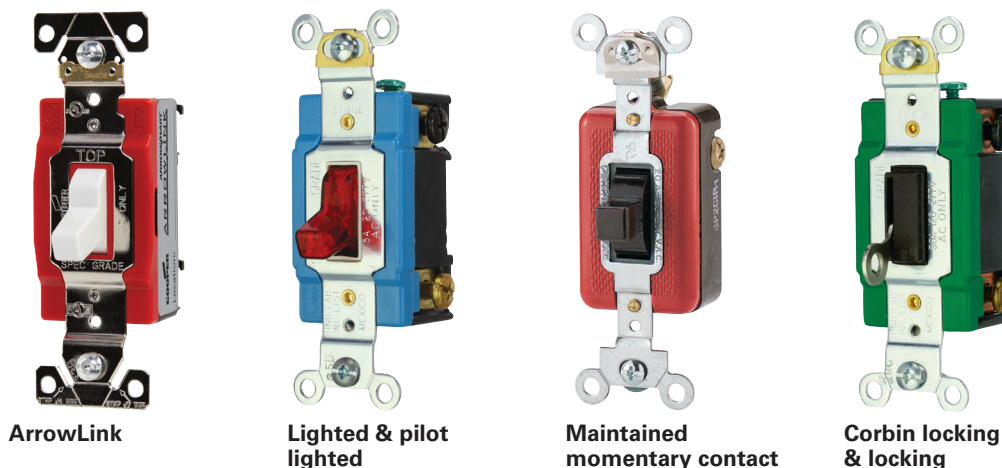
# Extra heavy-duty industrial grade switches

## Incorporating the most durable design elements in the industry

Arrow Hart's broad line of industrial grade switches feature superior engineering, reliable performance and ease of installation

## Extra heavy-duty Industrial AC switch AH1200, AH1220, 3030 series features & benefits

Automatic grounding eliminates need for bonding jumper in metal enclosures

Color-coded faces identify amperage: Blue = 15A, Red = 20A, Green = 30A

Robust nylon toggle for heavy usage areas

Heavy gauge 0.050" plated steel mounting strap withstands corrosion

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

Dual back-wire holes for maximum feed-thru wiring flexibility, accepts up to #10 AWG solid or stranded wire

One-piece brass contact arm and large silver alloy contact assures low-resistance switching

Patent-pending spring cup toggle design for consistent positive activation

## A complete offering of heavy-duty switches available for any industrial application:

**ArrowLink**

**Lighted & pilot lighted**

**Maintained momentary contact**

**Corbin locking & locking**

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

## Industrial grade AC toggle switches

### Product description

Single pole, double pole, 3-way, 4-way
15A, 120/277V/AC; 15A, 347V/AC
20A, 120/277V/AC; 20A, 347V/AC; 30A, 120/277V/AC

1.30"
(33mm)

3.28"
(83.3mm)
2.40"
(61.0mm)
2.38"
(60.5mm)

1.03"
(26mm)

AH1201

1.30"
(33mm)

3.28"
(83.3mm)
2.40"
(61.0mm)
2.38"
(60.5mm)

1.03"
(26mm)

AH1223

1.30"
(33mm)

3.28"
(83.3mm)
2.40"
(61.0mm)
2.38"
(60.5mm)

1.03"
(26mm)

AH1201PL

1.36"
(34.5mm)

3.28"
(83.3mm)
2.22"
(56.4mm)

1.03"
(26mm)

AH18201

### Extra heavy-duty industrial grade AC toggle switches, back & side wire   c(UL)us  F(UL)S  NOM 426

| Rating A | V/AC | Description | Color suffix | Catalog no. | ▶ | 🎗 |
|---|---|---|---|---|---|---|
| 15 | 120/277 | Single pole, toggle | B, GY, RD, V, W | ☐ AH1201__ | • | • |
| | | Double pole toggle | B, GY, V, W | ☐ AH1202__ | | • |
| | | 3-Way, toggle | B, GY, RD, V, W | ☐ AH1203__ | | • |
| | | 4-Way, toggle | B, GY, V, W | ☐ AH1204__ | | • |
| 20 | 120/277 | Single pole, toggle | B, BK, GY, LA, RD, V, W | ☐ AH1221__ | • | • |
| | | Double pole toggle | B, GY, RD, V, W | ☐ AH1222__ | | • |
| | | 3-Way, toggle | B, BK, GY, LA, RD, V, W | ☐ AH1223__ | | • |
| | | 4-Way, toggle | B, BK, GY, LA, RD, V, W | ☐ AH1224__ | | • |
| 30 | 120/277 | Single pole, toggle | B, RD, V, W | ☐ 3031__* | | • |
| | | Double pole toggle | B, RD, V, W | ☐ 3032__* | | • |

* Not NOM cert

### Industrial grade AC lighted and pilot light toggle switches, back & side wire   c(UL)us  F(UL)S  NOM 426

| Rating A | V/AC | Description | Color suffix | Catalog no. | ▶ | 🎗 |
|---|---|---|---|---|---|---|
| 15 | 120/277 | Single pole, lighted toggle | V, W | ☐ AH1201LT__ | • | • |
| | | 3-Way, lighted toggle | V, W | ☐ AH1203LT__ | | • |
| | | Single pole, pilot lighted red toggle | RD | ☐ AH1201PL | | • |
| | | Double pole, pilot lighted red toggle | RD | ☐ AH1202PL | | • |
| 20 | 120/277 | Single pole, lighted toggle | V, W | ☐ AH1221LT__ | • | • |
| | | 3-Way, lighted toggle | V, W | ☐ AH1223LT__ | | • |
| | | Single pole, pilot lighted red toggle | RD | ☐ AH1221PL | | • |
| | | Double pole, pilot lighted red toggle | RD | ☐ AH1222PL | | • |
| 30 | 120/277 | Double pole, pilot lighted red toggle | RD | ☐ 3032PL* | | • |

Lighted switches not intended for use with LED lamps * Not NOM cert

### Industrial grade AC toggle switches, back & side wire   c(UL)

| Rating A | V/AC | Description | Color suffix | Catalog no. | ▶ | 🎗 |
|---|---|---|---|---|---|---|
| 15 | 347 | Single pole, Canadian voltage toggle | B, I, W | ☐ AH18201__« | | • |
| | | Double pole, Canadian voltage toggle | B, I | ☐ AH18202__« | | • |
| | | 3-Way, Canadian voltage toggle | B, I, W | ☐ AH18203__« | | • |
| 20 | 347 | Single pole, Canadian voltage toggle | B, I, W | ☐ AH18221__« | | • |
| | | Double pole, Canadian voltage toggle | B, I | ☐ AH18222__« | | • |
| | | 3-Way, Canadian voltage toggle | B, I, W | ☐ AH18223__« | | • |

« No Color suffix = Brown, I = Ivory

### Color ordering information:

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

| B | BK | GY | LA | RD | V or I | W |
|---|---|---|---|---|---|---|
| (Brown) | (Black) | (Gray) | (Lt. Almond) | (Red) | (Ivory) | (White) |

**Specification information:** D-24
**Compliances, specifications and availability are subject to change without notice.**
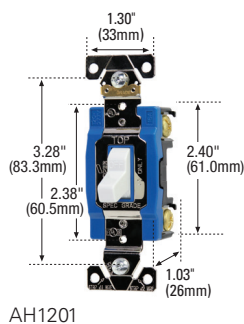
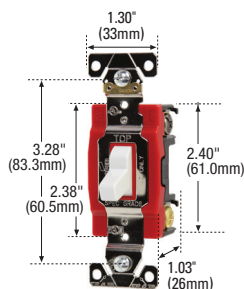▶ ArrowLink option available. Add "MOD" suffix to standard catalog number (example SGF15W, SGF15WMOD).
For ordering information on ArrowLink & ArrowLink SPD connectors, please visit www.eaton.com/wiringdevices
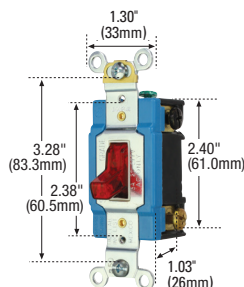
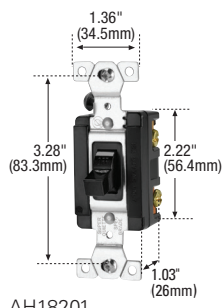🎗 Indicates USMCA compliant - Page Q-41

## Industrial grade AC three-position switches

### Product description

15A, 120/277V/AC; 20A, 120/277V/AC
Maintained & momentary contact
Single pole, double pole

**2225**

**1995**

**1995L**

### AC maintained contact toggle switches, back & side wire

| Rating A | V/AC | Description | Color suffix | Catalog no. | |
|---|---|---|---|---|---|
| 20 | 120/277 | Single pole, maintained contact toggle, center off | V | □ 2225V | • |
| | | Double pole, maintained contact toggle, center off | B, V | □ 2226__ | • |

### AC momentary contact switches, side wire

| Rating A | V/AC | Description | Color suffix | Catalog no. | |
|---|---|---|---|---|---|
| 15 | 120/277 | Single pole, momentary contact toggle, center off | B, GY, V | □ 1895__ | • |
| | | Single pole, momentary contact locking, center off, nickel locking dome | | □ 1895L | • |
| 20 | 120/277 | Single pole, momentary contact toggle, center off | B, GY, RD, V | □ 1995__ | • |
| | | Single pole, momentary contact toggle, center off | W | □ AH1995W | • |
| | | Single pole, momentary contact locking, center off, nickel locking dome | | □ 1995L | • |

### Accessories for industrial grade maintained & momentary switches

| Description | Catalog no. | |
|---|---|---|
| Replacement key for locking switches, 1895L & 1995L | □ AH2000 | |
| 1-Gang, standard size, toggle, 302/304 Stainless steel wallplate | □ 93071 | • |
| 1-Gang, standard size, toggle, unbreakable nylon wallplate | □ 5134V | • |

Stainless steel wallplates made in China.
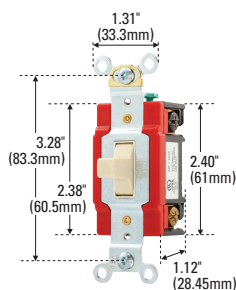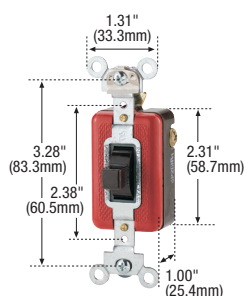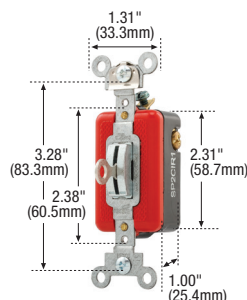
**AH2000**     **93071**     **5134V**

### Color ordering information:

For ordering devices, include Catalog no. followed by the Color suffix: B (Brown), GY (Gray), RD (Red), V (Ivory), W (White)

| B | GY | RD | V | W |
|---|---|---|---|---|
| (Brown) | (Gray) | (Red) | (Ivory) | (White) |

**Specification information:** D-25
**Compliances, specifications and availability are subject to change without notice.**

Indicates USMCA compliant - Page Q-41

## Industrial grade AC locking switches

### Product description
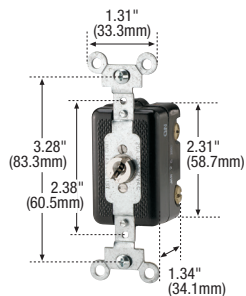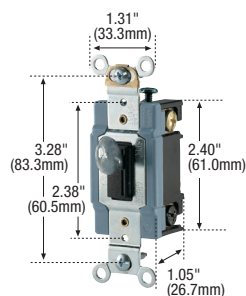Single pole, double pole, 3-way, 4-way
15A, 120/277V/AC; 20A, 120/277V/AC;
30A, 120/277V/AC



1.31"
(33.3mm)

3.28"
(83.3mm)    2.31"
(58.7mm)
2.38"
(60.5mm)

1.34"
(34.1mm)

AH1191N



1.31"
(33.3mm)

3.28"
(83.3mm)    2.40"
(61.0mm)
2.38"
(60.5mm)

1.05"
(26.7mm)

AH1202L

### Industrial grade AC Corbin type locking switches, back & side wire

| Rating A | V/AC | Description | Catalog no. | |
|---|---|---|---|---|
| 20 | 120/277 | Single pole, Corbin locking switch | ☐ AH1191N | • |
| | | Single pole, Corbin locking switch, key removable in "OFF" position only | ☐ AH1191NOF | • |
| | | Double pole, Corbin locking switch | ☐ AH1192N | • |
| | | 3-Way, Corbin locking switch | ☐ AH1193N | • |

### AC locking switches, back & side wire

| Rating A | V/AC | Description | Catalog no. | |
|---|---|---|---|---|
| 15 | 120/277 | Single pole, locking switch | ☐ AH1201L | • |
| | | Double pole, locking switch | ☐ AH1202L | • |
| | | 3-Way, locking switch | ☐ AH1203L | • |
| | | 4-Way, locking switch | ☐ AH1204L | |
| 20 | 120/277 | Single pole, locking switch | ☐ AH1221L | • |
| | | Double pole, locking switch | ☐ AH1222L | • |
| | | 3-Way, locking switch | ☐ AH1223L | • |
| | | 4-Way, locking switch | ☐ AH1224L | • |
| 30 | 120/277 | Single pole, locking switch | ☐ 3031L* | |
| | | Double pole, locking switch | ☐ 3032L* | |

\* Not Nom cert

### Accessories for industrial grade switches

| Description | Catalog no. | |
|---|---|---|
| Replacement key for Corbin locking switches | ☐ AH14 | |
| Stainless steel wallplate for Corbin locking switches with "ON-OFF" indicator engraving | ☐ AH1187 | • |
| Stainless steel wallplate for Corbin locking switches | ☐ AH1188 | • |
| Replacement key for locking switches, 1895L & 1995L | ☐ AH2000 | • |

Stainless steel wallplates made in China.



AH2000



AH14



AH1187



AH1188

**Specification information:** D-26
**Compliances, specifications and availability are subject to change without notice.**

🌼 Indicates USMCA compliant - Page Q-41

## Commercial grade decorator 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 decorator switches: 7600 series | Commercial 15A 120/277V decorator combination switches: 7700 series | Commercial 15A 120/277V - 15A, 125V decorator combination switch & receptacle: TR7730 |
|---|---|---|---|
| **Wiring type** | Back & side wire | Back & side wire | Back & side wire |
| **Testing & code compliance** | • cULus Listed to UL20, file no. E18704<br>• UL verified to Fed Spec WC-896E | • cULus Listed to UL20/UL498, file no. E18704 (combination) | • cULus Listed to UL20/UL498, file no. E18704 (combination) |
| **Environmental specifications** | **Flammability:** Meets UL94 requirements; V2 rated<br><br>**Temperature rating:** -20°C to 60°C (-4°F to 140°F) | **Flammability:** Meets UL94 requirements; V2 rated<br><br>**Temperature rating:** -20°C to 60°C (-4°F to 140°F) | **Flammability:** Meets UL94 requirements; V2 rated<br><br>**Temperature rating:** -20°C to 60°C (-4°F to 140°F) |
| **Electrical specifications** | **Dielectric voltage:** Withstands 1500V per UL20<br><br>**Current interrupting:** Yes, at full-rated current<br><br>**Temperature rise:** Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br><br>**Current interrupting:** Yes, at full-rated current<br><br>**Temperature rise:** Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br><br>**Current interrupting:** Yes, at full-rated current<br><br>**Temperature rise:** Switch: Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing.<br>Receptacle: Max. 30°C (86°F) after 100 cycles of overload at 150% of rated current (DC) |
| **Mechanical specifications** | **Terminal accommodation:** #14 - #10 AWG<br><br>**Voltage ratings:** Permanently marked on device<br><br>**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<br><br>**Voltage ratings:** Permanently marked on device<br><br>**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<br><br>**Voltage ratings:** Permanently marked on device<br><br>**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** | **Paddle:** Polycarbonate<br>**Top housing:** Polycarbonate<br>**Bottom housing:** PVC<br>**Strap:** 0.045" thick steel, zinc plated, (yellow chromate on 20A)<br>**Auto ground clip:** Phosphor bronze<br>**Terminals:** 0.035" thick brass<br>**Terminal screws:** #8-32 steel with #10 head, brass plated; neutral screw nickel plated<br>**Ground screw:** #8-32 steel, brass plated, green<br>**Back wire clamp:** Steel, brass plated<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** Brass<br>**Illuminated models:** Long-life neon bulb<br>**Pilot light models:** Red polycarbonate pilot lens with long-life neon bulb<br>**Receptacle line contacts:** N/A<br>**Receptacle ground shunt:** N/A | **Paddle:** PVC<br>**Top housing:** PVC<br>**Bottom housing:** PVC<br>**Strap:** 0.045" thick steel, zinc plated<br>**Auto ground clip:** Phosphor bronze<br>**Terminals:** 0.03" thick brass<br>**Terminal screws:** #8-32 steel, brass plated; neutral screw nickel plated<br>**Ground screw:** #8-32 steel, brass plated, green<br>**Back wire clamp:** Steel, brass plated<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** Brass<br>**Illuminated models:** N/A<br>**Pilot light models:** N/A<br>**Receptacle line contacts:** N/A<br>**Receptacle ground shunt:** N/A | **Paddle:** PVC<br>**Top housing:** PVC<br>**Bottom housing:** PVC<br>**Strap:** 0.045" thick steel, zinc plated<br>**Auto ground clip:** Phosphor bronze<br>**Terminals:** 0.03" thick brass<br>**Terminal screws:** #8-32 steel, brass plated; neutral screw nickel plated<br>**Ground screw:** #8-32 steel, brass plated, green<br>**Back wire clamp:** Steel, brass plated<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** Brass<br>**Illuminated models:** N/A<br>**Pilot light models:** N/A<br>**Receptacle line contacts:** 0.03" thick brass<br>**Receptacle ground shunt:** 0.03" thick brass |

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

## 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<br>• UL verified to Fed Spec WC-896G | • cULus Listed to UL20, file no. E18704<br>• UL verified to Fed Spec WC-896G<br>• CSA certified to C22.2, no. 11 file no. 10016 (6241-05) | • cULus Listed to UL20, file no. E18704 (combination)<br>• CSA certified to C22.2, no. 11 file no. 10016 (6241-05)<br>• NOM certified | • Listed to UL20/UL498, file no. E18704 (combination)<br>• NOM certified, except 291 |
| **Environmental specifications** | **Flammability:** Meets UL94 requirements; V0 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) | **Flammability:** Meets UL94 requirements; V0 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) | **Flammability:** Meets UL94 requirements; V2 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) | **Flammability:** Meets UL94 requirements; V2 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) |
| **Electrical specifications** | **Dielectric voltage:** Withstands 1500V per UL20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 50,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 50,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing | **Dielectric voltage:** Switch: Withstands 1500V per UL20<br>Receptacle: Withstands 2000V per UL498<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Switch: Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing<br>Receptacle: Max. 30ºC (86ºF) after 100 cycles of overload at 150% of rated current (DC) |
| **Mechanical specifications** | **Terminal accommodation:** #14 - #10 AWG<br>**Voltage ratings:** Permanently marked on device<br>**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<br>**Voltage ratings:** Permanently marked on device<br>**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<br>**Voltage ratings:** Permanently marked on device<br>**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<br>**Voltage ratings:** Permanently marked on device<br>**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<br>**Top housing:** PVC<br>**Bottom housing:** PVC<br>**Strap:** 0.045" thick steel, zinc plated<br>**Terminals:** 0.031" thick brass<br>**Terminal screws:** #8-32 steel, brass plated or zinc plated<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** Brass<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** Brass<br>**Pilot light models:** N/A<br>**Receptacle line contacts:** N/A<br>**Receptacle ground shunt:** N/A | **Toggle:** Nylon<br>**Top housing:** PVC<br>**Bottom housing:** PVC<br>**Strap:** 0.045" thick steel, zinc plated<br>**Terminals:** 0.031" thick brass<br>**Terminal screws:** #8-32 steel, brass plated or zinc plated<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** N/A<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** Brass<br>**Pilot light models:** N/A<br>**Receptacle line contacts:** N/A<br>**Receptacle ground shunt:** N/A | **Toggle:** Nylon<br>**Top housing:** PVC<br>**Bottom housing:** PVC<br>**Strap:** 0.045" thick steel, zinc plated<br>**Terminals:** 0.03" thick brass<br>**Terminal screws:** #8-32 steel, brass plated; neutral screw nickel plated<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** Brass<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** Brass<br>**Pilot light models:** Red polycarbonate pilot lens with long-life neon bulb<br>**Receptacle line contacts:** N/A<br>**Receptacle ground shunt:** N/A | **Toggle:** Nylon<br>**Top housing:** PVC<br>**Bottom housing:** PVC<br>**Strap:** 0.045" thick steel, zinc plated<br>**Terminals:** 0.03" thick brass<br>**Terminal screws:** #8-32 steel, brass plated; neutral screw nickel plated<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** Brass<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** Brass<br>**Pilot light models:** N/A<br>**Receptacle line contacts:** 0.030" thick brass<br>**Receptacle ground shunt:** 0.030" thick brass |

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

## Heavy-duty specification grade switches

### Product description

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

| Device type | Heavy-duty industrial grade AC toggle switches 1200 & 1220 series |
|---|---|
| **Wiring type** | Back & side wire |
| **Testing & code compliance** | • cULus Listed to UL 20, file no. E18704<br>• UL Verified to Federal Spec WS-896-E<br>• CSA Certified to C22.2, no. 111, file no. 10016 (6241-05) |
| **Environmental specifications** | **Flammability:** Meets UL94 requirements; V2 rated<br>**Temperature rating:** -20°C to 60°C (-4°F to 140°F) |
| **Electrical specifications** | **Dielectric voltage:** Withstands 1500V per UL 20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30°C (86°F) after 100 cycles of overload and 50,000 cycles of endurance testing |
| **Mechanical specifications** | **Terminal accommodation:** #14 - 10 AWG<br>**Voltage ratings:** Permanently marked on device<br>**Horsepower ratings:** Rated for motor loads per UL 20: 15A: @ 120V/AC = 1/2 HP, @ 240V/AC = 2 HP; max. amps 12A 20A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP; max. amps 12A |
| **Materials** | **Toggle:** Nylon<br>**Top housing:** Polycarbonate<br>**Bottom housing:** Polycarbonate<br>**Strap:** 0.045" thick galvanized steel<br>**Auto ground:** Phosphor bronze<br>**Terminals:** 0.031" thick brass<br>**Terminal screws:** #8-32 steel, brass plated, black<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** 0.080" thick steel<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.031" thick brass |

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

# Extra heavy-duty industrial grade toggle switches specification & performance data

## Industrial grade AC toggle switches

### Product description
Single pole, double pole, 3-way, 4-way
15A & 20A, 120/277V/AC; 15 & 20A, 347V/AC
30A, 120/377V/AC

| Switch type | Industrial 15A & 20A 120/277V toggle switches: AH1200 & AH1220 series | Industrial 15A & 20A 347V toggle switches: AH18200 series | Industrial 30A 120/277V toggle switches: 3030 series |
|---|---|---|---|
| **Wiring type** | Back & side wire | Back & side wire | Back & side wire |
| **Testing & code compliance** | • cULus Listed to UL20, file no. E18704<br>• UL verified to Fed Spec WS-896-E<br>• CSA certified to C22.2, no. 111, file no. 10016 (6241-05) | • Listed to UL20, file no. E135162<br>• UL verified to Fed Spec WS-896-E<br>• CSA certified to C22.2, no. 111, file no. 12339 (6241-05) | • cULus Listed to UL20, file no. E18704<br>• UL verified to Fed Spec WS-896-E<br>• CSA certified to C22.2, no. 111, file no. 10016 (6241-05) |
| **Environmental specifications** | **Flammability:** Meets UL94 requirements; V2 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) | **Flammability:** Meets UL94 requirements; V0 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) | **Flammability:** Meets UL94 requirements; V0 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) |
| **Electrical specifications** | **Dielectric voltage:** Withstands 1500V per UL20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing |
| **Mechanical specifications** | **Terminal accommodation:** #14 - #10 AWG<br>**Voltage ratings:** Permanently marked on device<br>**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<br>**Voltage ratings:** Permanently marked on device<br>**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<br>**Voltage ratings:** Permanently marked on device<br>**Horsepower ratings:** Rated for motor loads per UL20: 30A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 24A |
| **Materials** | **Toggle:** Nylon<br>**Top housing:** Polycarbonate<br>**Bottom housing:** Polycarbonate<br>**Strap:** 0.045" thick galvanized steel, nickel plated<br>**Auto ground clip:** 0.015" thick brass<br>**Terminals:** 0.030" thick brass<br>**Terminal screws:** #10-32 brass, black<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** 0.070" plated steel<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.031" thick brass<br>**Illuminated models:** Long-life neon bulb<br>**Pilot light models:** Red polycarbonate toggle with long-life neon bulb | **Toggle:** Polycarbonate<br>**Top housing:** Phenolic<br>**Bottom housing:** Phenolic<br>**Strap:** 0.050" thick galvanized steel<br>**Auto ground clip:** 0.016" thick brass<br>**Terminals:** 0.032" thick high performance copper alloy<br>**Terminal screws:** #10-32 brass, black<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** 0.04" thick brass<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.031" thick brass<br>**Illuminated models:** N/A<br>**Pilot light models:** N/A | **Toggle:** Nylon<br>**Top housing:** Polycarbonate<br>**Bottom housing:** Polycarbonate<br>**Strap:** 0.045" thick galvanized steel, nickel plated<br>**Auto ground clip:** 0.015" thick brass<br>**Terminals:** 0.030" thick high performance copper alloy<br>**Terminal screws:** #10-32 brass, neutral screw nickel plated<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** 0.070" plated steel<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.031" thick brass<br>**Illuminated models:** Long-life neon bulb<br>**Pilot light models:** Red polycarbonate toggle with LED |

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

# Extra heavy-duty industrial grade toggle switches specification & performance data

## Industrial grade three-position AC toggle switches

### Product description
Single pole & double pole
15A, 20A & 30A, 120/277V/AC
Maintained & momentary contact

| Switch type | Industrial 15A & 20A 120/277V maintained contact switches: 1205 & 2220 series | Industrial 15A & 20A 120/277V momentary contact switches: AH1890 & AH1990 series |
|---|---|---|
| **Wiring type** | Back & side wire | Back & side wire |
| **Testing & code compliance** | • 1205: Listed to UL508, file no. E156836<br>• 2220 series: cULus Listed to UL210, file no. E18704<br>• 2220 series: UL verified to Fed Spec WS-896<br>• 1205: CSA certified C22.1, no.111<br>• NOM certified | • Listed to UL508, file no. E135162<br>• UL verified to Fed Spec WS-896E<br>• CSA certified C22.1, no. 111<br>• NOM certified |
| **Environmental specifications** | **Flammability:** Meets UL94 requirements; V2 rated<br>**Temperature rating:** -20ºC to 65ºC (-4ºF to 149ºF) | **Flammability:** Meets UL94 requirements; V0 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) |
| **Electrical specifications** | **Dielectric voltage:** Withstands 1500V per UL20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing |
| **Mechanical specifications** | **Terminal accommodation:** #14 - #10 AWG<br>**Voltage ratings:** Permanently marked on device<br>**Horsepower ratings:** Rated for motor loads per UL20:<br>15A: @ 120V/AC = 1/2 HP, @ 240V/AC = 2 HP;<br>@ 277V/AC = 2 HP, max. amps 12A,<br>20A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP;<br>@ 277V/AC = 2 HP, max. amps 16A | **Terminal accommodation:** #14 - #10 AWG<br>**Voltage ratings:** Permanently marked on device<br>**Horsepower ratings:** Rated for motor loads per UL20:<br>15A: @ 120V/AC = 1/2 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP,<br>max. amps 12A, 20A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP;<br>@ 277V/AC = 2 HP, max. amps 16A |
| **Materials** | **Toggle:** Urea<br>**Top housing:** Urea<br>**Bottom housing:** Phenolic<br>**Strap:** 0.05" thick steel<br>**Auto ground clip:** 0.016" thick brass<br>**Terminals:** 0.032" thick brass<br>**Terminal screws:** #8-32 brass<br>**Ground screw:** #8-32 brass, green<br>**Back wire clamp:** 0.031" thick brass<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.032" thick brass<br>**Pressure plate:** 0.069" thick brass<br>**Illuminated models:** N/A<br>**Pilot light models:** N/A | **Toggle:** Polycarbonate<br>**Top housing:** Urea<br>**Bottom housing:** Urea<br>**Strap:** 0.05" thick galvanized steel<br>**Auto ground clip:** 0.016" thick brass<br>**Terminals:** 0.032" thick high performance copper alloy<br>**Terminal screws:** #10-32 brass<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** 0.04" thick brass<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.018" thick copper<br>**Pressure plate:** 0.063" thick steel<br>**Illuminated models:** N/A<br>**Pilot light models:** N/A |

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

## Industrial grade AC locking switches

### Product description

Single pole, double pole, 3-way, 4-way
15A & 20A, 120/277V/AC; 15 & 20A, 347V/AC
30A, 120/377V/AC

| Switch type | Industrial 20A 120/277V Corbin locking switches AH1190N series | Industrial 15A & 20A 120/277V locking switches AH1200L & AH1220L series | Industrial 30A 120/277V locking switches 3030L series |
|---|---|---|---|
| **Wiring type** | Back & side wire | Back & side wire | Back & side wire |
| **Testing & code compliance** | • cULus Listed to UL20, file no. E135162<br>• UL verified to Fed Spec WS-896E | • cULus Listed to UL20, file no. E18704<br>• UL verified to Fed Spec WS-896E | • cULus Listed to UL20, file no. E18704<br>• UL verified to Fed Spec WS-896E<br>• NOM certified |
| **Environmental specifications** | **Flammability:** Meets UL94 requirements; V0 rated<br><br>**Temperature rating:** -20ºC to 65ºC (-4ºF to 149ºF) | **Flammability:** Meets UL94 requirements; V0 rated<br><br>**Temperature rating:** -20ºC to 65ºC (-4ºF to 149ºF) | **Flammability:** Meets UL94 requirements; V0 rated<br><br>**Temperature rating:** -20ºC to 65ºC (-4ºF to 149ºF) |
| **Electrical specifications** | **Dielectric voltage:** Withstands 1500V per UL20<br><br>**Current interrupting:** Yes, at full-rated current<br><br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br><br>**Current interrupting:** Yes, at full-rated current<br><br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing | **Dielectric voltage:** Withstands 1500V per UL20<br><br>**Current interrupting:** Yes, at full-rated current<br><br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload and 30,000 cycles of endurance testing |
| **Mechanical specifications** | **Terminal accommodation:** #14 - #12 AWG<br><br>**Voltage ratings:** Permanently marked on device<br><br>**Horsepower ratings:** Rated for motor loads per UL20: 20A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 16A | **Terminal accommodation:** #14 - #10 AWG<br><br>**Voltage ratings:** Permanently marked on device<br><br>**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<br><br>**Voltage ratings:** Permanently marked on device<br><br>**Horsepower ratings:** Rated for motor loads per UL20: 30A: @ 120V/AC = 2 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 24A |
| **Materials** | **Lock dome/housing:** Steel, nickel plated<br>**Top housing:** Urea<br>**Bottom housing:** Urea<br>**Strap:** 0.05" steel<br>**Auto ground clip:** N/A<br>**Stationary terminals:** 0.042" thick brass<br>**Terminal screws:** #6-32 brass<br>**Ground screw:** #6-32 brass<br>**Back wire clamp:** 0.062" thick steel<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.042" thick brass | **Lock dome/housing:** Glass-filled nylon<br>**Top housing:** Urea<br>**Bottom housing:** Phenolic<br>**Strap:** 0.050" thick steel<br>**Auto ground clip:** 0.030" thick brass<br>**Stationary terminals:** 0.032" thick brass<br>**Terminal screws:** #8-32 brass<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** 0.030" thick brass<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.031" thick brass | **Lock dome/housing:** Glass-filled nylon<br>**Top housing:** Urea<br>**Bottom housing:** Phenolic<br>**Strap:** 0.050" thick steel<br>**Auto ground clip:** 0.030" thick brass<br>**Stationary terminals:** 0.032" thick brass<br>**Terminal screws:** #8-32 brass, neutral screw, nickel plated<br>**Ground screw:** #8-32 steel, zinc plated, green<br>**Back wire clamp:** 0.030" thick brass<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.032" thick brass |

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## Industrial, construction & commercial grade ArrowLink modular switches

### Product description

Single pole
15A, 120/277V/AC
20A, 120/277V/AC

| Switch type | Industrial grade toggle: AH1201_M, AH1221_M series; | Commercial grade decorator: 7600_M series; |
|---|---|---|
| **Wiring type** | Back & side wire | Back & side wire |
| **Testing & code compliance** | • cULus Listed to UL20, file no. E18704<br>• UL verified to Fed Spec WS-896<br>• NOM certified | • cULus Listed to UL20, file no. E18704<br>• UL verified to Fed Spec WS-896 |
| **Environmental specifications** | **Flammability:** Meets UL94 requirements; V0 rated<br>**Temperature rating:** -20ºC to 65ºC (-4ºF to 149ºF) | **Flammability:** Meets UL94 requirements; V0 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) |
| **Electrical specifications** | **Max. working voltage, continuous current & endurance:**<br>Maximum working voltage 277V/AC<br>Max. cont. current: 15A, 20A<br>Endurance: 50,000 cycles min.<br>**Overload:** Minimum 4.8 times rated current for 100 cycles<br>**Temperature rise:** Max. 30ºC (86ºF) after 250 cycles of overload @ 200% of rated current (DC)<br>**Horsepower ratings:** Horsepower rated for motor loads per UL20: 15A @ 120V/AC = 1/2 HP; @ 240V/AC = 2 HP, @ 277V/AC = 2 HP, 20A @ 120V/AC = 1 HP; @ 240V/AC = 2 HP, @ 277V/AC = 2 HP | **Max. working voltage, continuous current & endurance:**<br>Maximum working voltage 277V/AC<br>Max. cont. current: 15A, 20A<br>Endurance: 50,000 cycles min.<br>**Overload:** Minimum 4.8 times rated current for 100 cycles<br>**Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload & 30,000 cycles of endurance<br>**Horsepower ratings:** Horsepower rated for motor loads per UL20: 15A @ 120V/AC = 1/2 HP; @ 240V/AC = 2 HP, @ 277V/AC = 2 HP, 20A @ 120V/AC = 1 HP; @ 240V/AC = 2 HP, @ 277V/AC = 2 HP |
| **Mechanical specifications** | **Terminal accommodation:** #14 - #10 AWG<br>**Voltage ratings:** Permanently marked on device | **Terminal accommodation:** #14 - #10 AWG<br>**Voltage ratings:** Permanently marked on device |
| **Materials** | **Toggle/paddle:** Urea<br>**Top & bottom housing:** Top: Urea; Bottom: Phenolic<br>**Strap:** 0.050" thick galvanized steel<br>**Auto ground clip:** 0.030" thick brass<br>**Terminals:** 0.031" thick brass<br>**Terminal & ground screws:** #8-32 brass, black screw; ground: #8-32 steel, zinc plated, green<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.031" thick brass<br>**Pressure plate:** 0.068" thick brass<br>**Illuminated models:** Long-life neon bulb | **Toggle/paddle:** Polycarbonate<br>**Top & bottom housing:** Top: polycarbonate; Bottom: 0.045" thick PVC<br>**Strap:** 0.050" thick steel, zinc plated, (yellow chromate on 20A)<br>**Auto ground clip:** Phosphor bronze wire<br>**Terminals:** 0.035" thick brass<br>**Terminal & ground screws:** #8-32 steel, brass plated; neutral screw nickel plated, ground screw, green<br>**Contacts:** Silver alloy<br>**Moveable contact arm:** 0.035" thick brass<br>**Pressure plate:** 0.035" thick brass<br>**Illuminated models:** Long-life neon bulb |

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