

SECTION  
**D**





# Switches

RESIDENTIAL | COMMERCIAL | INDUSTRIAL

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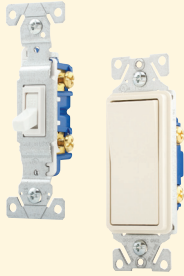
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## Switches

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**



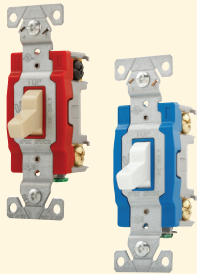
**D-8**

**Commercial specification grade switches**



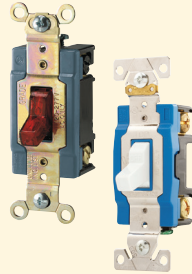
**D-9**

**Heavy-duty specification grade switches**



**D-15**

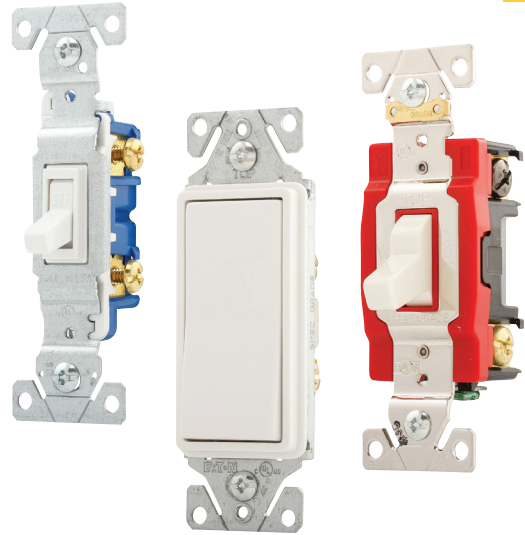
**Extra heavy-duty specification grade industrial grade switches**



**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

Rating		Description	Color suffix	Catalog no.	
A	V/AC				
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

Rating		Description	Color	Catalog no.
A	V/AC			
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)



**Specification information:** Please visit [www.eaton.com/wiringdevices](http://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

Rating A	V/AC	Description	Color suffix	Catalog no.	
15	120	Single pole, side wire & push wire	B, BK, LA, V, W	<input type="checkbox"/> 1301__	•
		3-way, back wire, side wire & push wire	B, BK, LA, V, W	<input type="checkbox"/> 1303__	•

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

### Toggle switches, grounding

Rating A	V/AC	Description	Color suffix	Catalog no.	
15	120	Single pole, side wire & push wire	B, BK, LA, V, W	<input type="checkbox"/> 1301-7__	•
		Single pole, side wire & push wire, auto ground	B, BK, LA, V, W	<input type="checkbox"/> 1301-9__	•
		3-way, back wire, side wire & push wire	B, BK, LA, V, W	<input type="checkbox"/> 1303-7__	•
		3-way, side wire & push wire, auto ground	B, BK, LA, V, W	<input type="checkbox"/> 1303-9__	•
		4-way, side wire & push wire	B, BK, LA, V, W	<input type="checkbox"/> 1242-7__	
		Single pole, less ears, side wire & push wire	B, BK, LA, W	<input type="checkbox"/> 1301-73__	•
		Lighted, single pole, side wire & push wire	LA, V, W	<input type="checkbox"/> 1301-7LT__	•
		Lighted, 3-way, side wire & push wire	V, W	<input type="checkbox"/> 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>B</b>	<b>BK</b>	<b>LA</b>	<b>V</b>	<b>W</b>
(Brown)	(Black)	(Lt. Almond)	(Ivory)	(White)

**Specification information:** Please visit [www.eaton.com/wiringdevices](http://www.eaton.com/wiringdevices)

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

 Indicates USMCA compliant - Page Q-41



# Residential grade switches

## 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

Rating		Description	Color suffix	Catalog no.
A	V/AC			
15	120	Single pole, side wire	V, W	<input type="checkbox"/> 5221-7__
		3-way, side wire	V, W	<input type="checkbox"/> 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)



**Specification information:** Please visit [www.eaton.com/wiringdevices](http://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

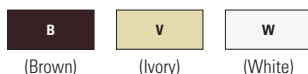
### Feed-through cord switch

Rating A	V/AC	Description	Color suffix	Catalog no.	
3	120	Feed-through cord switch for flat or round cords, ON-OFF sequence, insulation displacement terminals 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)



**Specification information:** Please visit [www.eaton.com/wiringdevices](http://www.eaton.com/wiringdevices)

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

 Indicates USMCA compliant - Page Q-41



### Canopy switches

#### Product description

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

#### Features

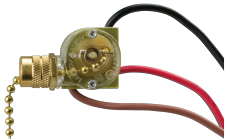
- Wide variety of sizes for use in fixtures, appliances, doorways and equipment
- Shank is threaded 15/32"-32 x 15/32" (11.8mm) long
- Hex nut and finishing nut furnished
- 6" (152.4mm) wire lead terminals, #18 105°C stripped 0.75" (19.1mm)



449NP



442



460



458BD



452

#### Push button

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

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, #18 105°C stripped 0.75" (19.1mm)

#### Circuit control toggle switch

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)



(Brass)



(Nickel)

**Specification information:** Please visit [www.eaton.com/wiringdevices](http://www.eaton.com/wiringdevices)

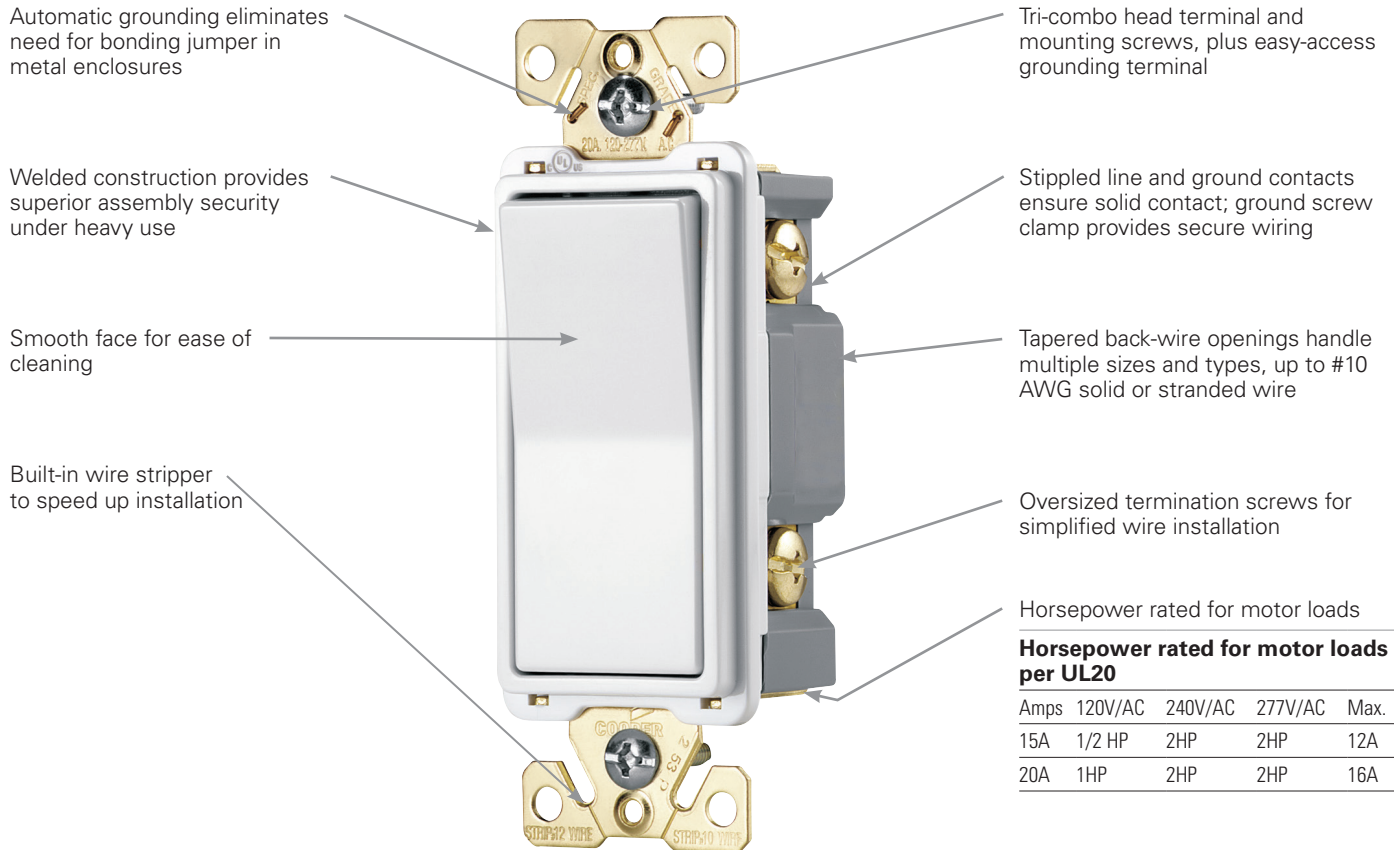
**Compliances, specifications and availability are subject to change without notice.**

# 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



**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**

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Eaton.com  
Eaton.com/wiringdevices

**CHS controls**  
 CHS Controls AB  
 Tel +46 42 38 61 00, Fax +46 42 38 61 29  
 chs@chscontrols.se www.chscontrols.se

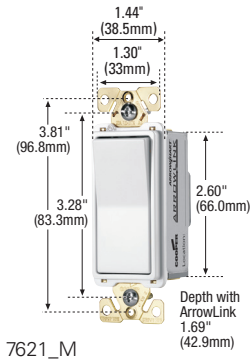
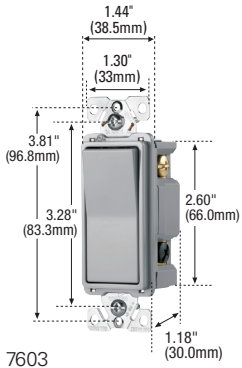



### Commercial specification grade AC decorator switches

#### Product description

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

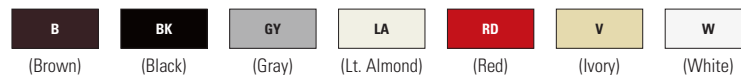
#### AC decorator switches, back & side wire



Rating		Description	Color suffix	Catalog no.	
A	V/AC				
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__	

#### 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)



#### Specification information: D-21

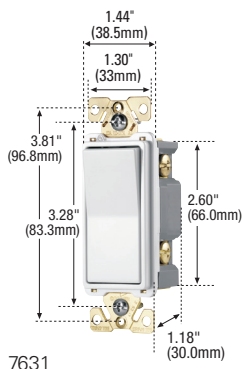
**Compliances, specifications and availability are subject to change without notice.**

 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](http://www.eaton.com/wiringdevices)


## 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

Rating A	V/AC	Description	Color suffix	Catalog no.	
20	120/277	Single pole, lighted decorator	LA, V, W	<input type="checkbox"/> 7631__	•
		3-Way, lighted decorator	LA, V, W	<input type="checkbox"/> 7633__	
		4-Way, lighted decorator	LA, V, W	<input type="checkbox"/> 7634__	

### AC decorator switches, back & side wire

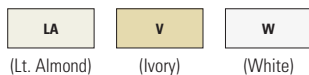
Rating A	V/AC	Description	Color suffix	Catalog no.	
15	347	Single pole, decorator	V, W	<input type="checkbox"/> 7601-347__	•
		3-Way, decorator	V, W	<input type="checkbox"/> 7603-347__	
		4-Way, decorator	V, W	<input type="checkbox"/> 7604-347__	
20	347	Single pole, decorator	V, W	<input type="checkbox"/> 7621-347__	•
		Double pole, decorator	V, W	<input type="checkbox"/> 7622-347__	
		3-Way, decorator	V, W	<input type="checkbox"/> 7623-347__	
		4-Way, decorator	V, W	<input type="checkbox"/> 7624-347__	

### AC decorator switches, back & side wire

Rating A	V/AC	Description	Color	Catalog no.
15	120/277	Single pole, two position, momentary contact, decorator	W	<input type="checkbox"/> 7521W

### Color ordering information:

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



### Specification information: D-21

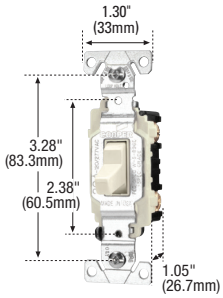
Compliances, specifications and availability are subject to change without notice.

 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](http://www.eaton.com/wiringdevices)

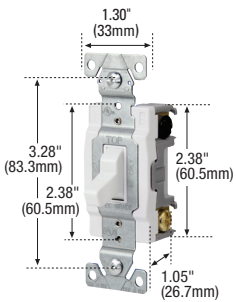
### Commercial specification grade AC toggle switches

#### Product description

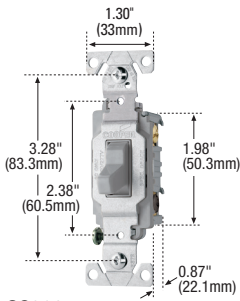
Single pole, double pole, 3-way, 4-way  
15A, 120/277V/AC; 20A, 120/277V/AC



CSB320



CSB415



CS320

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



Rating	A	V/AC	Description	Color suffix	Catalog no.	
15	120/277		Single pole, toggle	B, GY, LA, V, W	<input type="checkbox"/> CSB115__	•
			Single pole, small toggle	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	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__	•

#### AC toggle switches, side wire



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

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)



Specification information: D-22

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

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## Commercial grade AC decorator combination switches

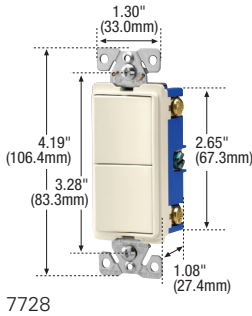
### Product description

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

### Decorator combination switches, back & side wire



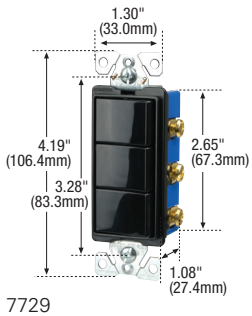
Rating A	V/AC	Description	Color suffix	Catalog no.
15	120/277	(2) Single pole, switches	BK, LA, V, W	<input type="checkbox"/> 7728__
		(3) Single pole, switches	BK, LA, V, W	<input type="checkbox"/> 7729__
		(2) 3-Way, switches	BK, LA, V, W	<input type="checkbox"/> 7731__
		(1) Single pole switch with (1) 3-Way switch	BK, LA, V, W	<input type="checkbox"/> 7732__



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



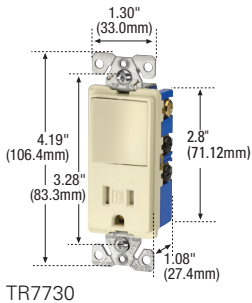
Rating A	V/AC	Description	Color suffix	Catalog no.
15	120/277	(1) Single pole with NEMA 5-15,	BK, LA, V, W	<input type="checkbox"/> TR7730__
15	125	(1) 2-Pole, 3-wire tamper resistant receptacle		



### Accessories for commercial specification grade switches

Description	Catalog no.	
1-Gang, standard size, decorator, 302/304 Stainless steel wallplate	<input type="checkbox"/> 93401	•
2-Gang, standard size, decorator, 302/304 Stainless steel wallplate	<input type="checkbox"/> 93402	•
1-Gang, standard size, decorator, unbreakable nylon wallplate, white	<input type="checkbox"/> 5151W	•

Stainless steel wallplates made in China.



93401



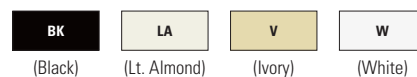
93402



5151W

### Color ordering information:

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



Specification information: D-21

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

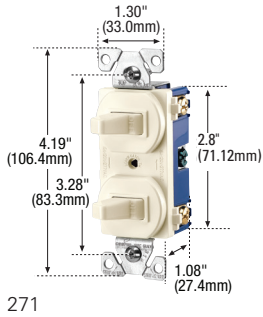
Indicates USMCA compliant - Page Q-41



### Commercial grade AC toggle combination switches

#### Product description

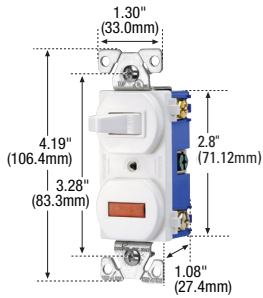
Single pole, 3-way  
 15A, 120/277V/AC; 15A, 120V/AC  
 20A, 120V/AC



#### Toggle combination switches, back & side wire

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

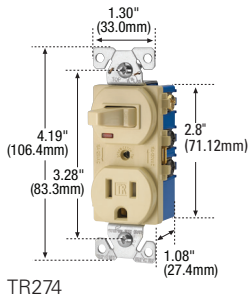
\* Not NOM cert



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

Rating	A	V/AC	Description	Color suffix	Catalog no.
15	120	(1) Single pole, switch with NEMA 5-15	B, BK, LA, V, W	<input type="checkbox"/> TR274__	
15	125	(1) 2-Pole, 3-wire tamper resistant receptacle			
15	120	(1) 3-Way switch with NEMA 5-15	B, BK, LA, V, W	<input type="checkbox"/> TR293__	
15	125	(1) 2-Pole, 3-wire tamper resistant receptacle			
20	120	(1) Single pole, switch with NEMA 5-20	B, BK, LA, V, W	<input type="checkbox"/> TR291__*	
20	125	(1) 2-Pole, 3-wire tamper resistant receptacle			

\* Not NOM cert



#### Accessories for commercial specification grade toggle combination switches

Description	Catalog no.	
1-Gang, standard size duplex, 302/304 Stainless steel receptacle wallplate	<input type="checkbox"/> 93101	•
1-Gang, standard size duplex, unbreakable nylon receptacle wallplate, almond	<input type="checkbox"/> 5132A	•

Stainless steel wallplates made in China.



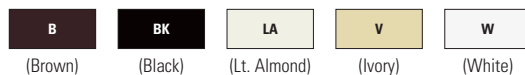
93101



5132A

#### 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)



Specification information: D-22

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

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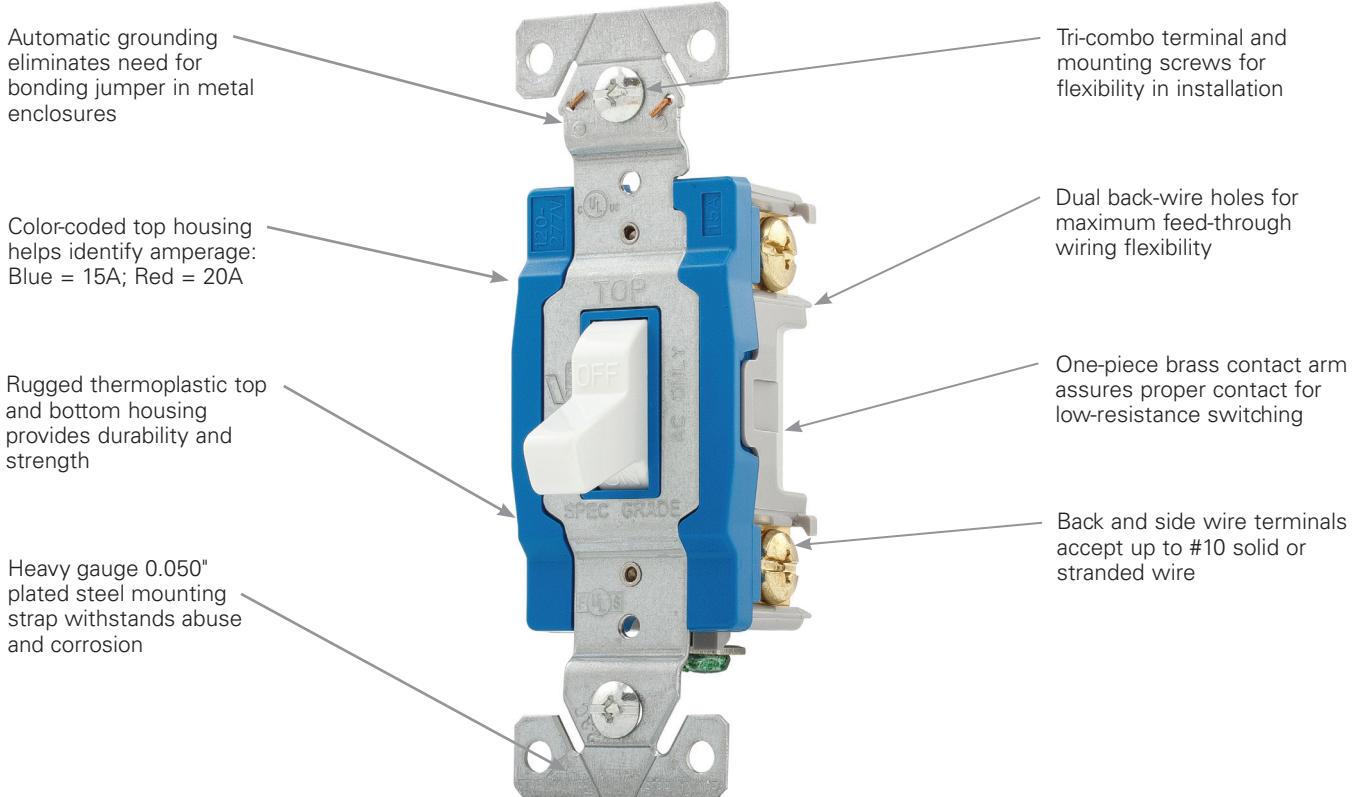
 Tamper resistant

# Heavy-duty specification grade switches

## Robust construction for commercial applications

Arrow Hart's High Definition-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



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Eaton.com/wiringdevices

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controls

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chs@chscontrols.se www.chscontrols.se

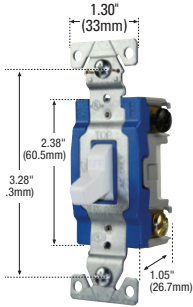
EATON Wiring Devices Buyers Guide

## 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



1201

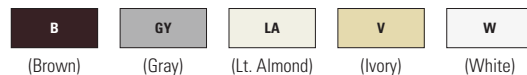
#### Heavy-duty specification grade switch back and side wire



Rating		Description	Color suffix	Catalog no.
A	V/AC			
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)



#### Specification information: D-23

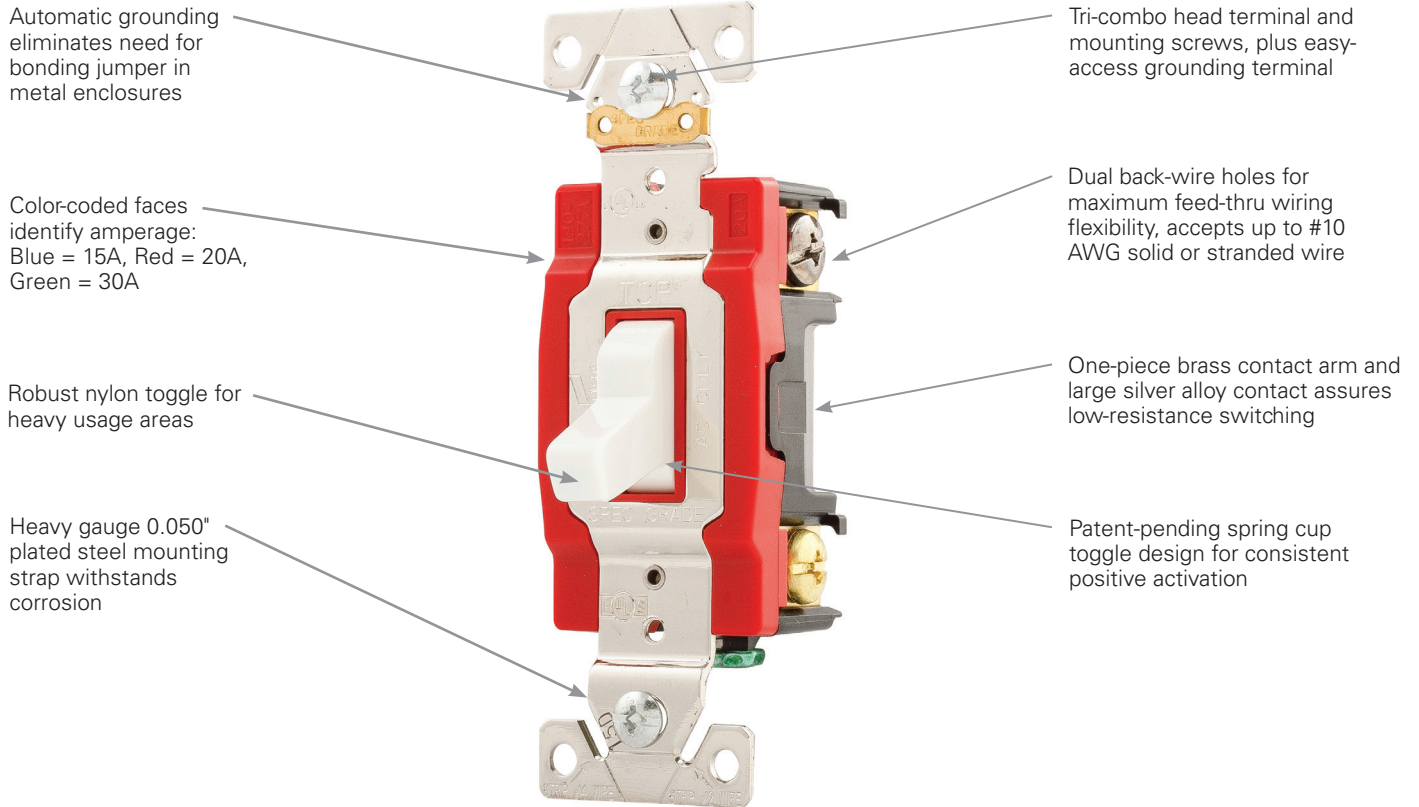
Compliances, specifications and availability are subject to change without notice.

# 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



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



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Eaton.com  
Eaton.com/wiringdevices

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chs@chscontrols.se www.chscontrols.se

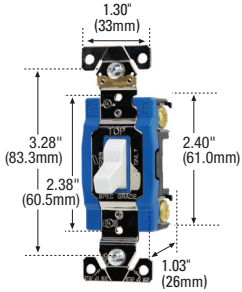
EATON Wiring Devices Buyers Guide



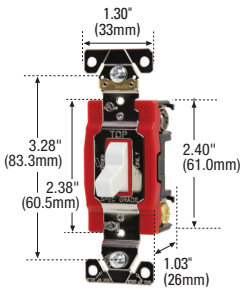
### Industrial grade AC toggle switches

#### Product description

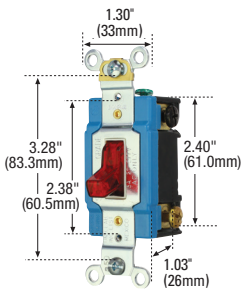
Single pole, double pole, 3-way, 4-way  
 15A, 120/277V/AC; 15A, 347V/AC  
 20A, 120/277V/AC; 20A, 347V/AC; 30A, 120/277V/AC



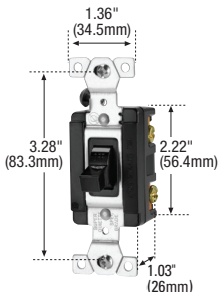
AH1201



AH1223



AH1201PL



AH18201

#### Extra heavy-duty industrial grade AC toggle switches, back & side wire



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

\* Not NOM cert

#### Industrial grade AC lighted and pilot light toggle switches, back & side wire



Rating	A	V/AC	Description	Color suffix	Catalog no.		
15	120/277		Single pole, lighted toggle	V, W	<input type="checkbox"/> AH1201LT__	•	•
			3-Way, lighted toggle	V, W	<input type="checkbox"/> AH1203LT__		•
			Single pole, pilot lighted red toggle	RD	<input type="checkbox"/> AH1201PL		•
20	120/277		Double pole, pilot lighted red toggle	RD	<input type="checkbox"/> AH1202PL		•
			Single pole, lighted toggle	V, W	<input type="checkbox"/> AH1221LT__	•	•
			3-Way, lighted toggle	V, W	<input type="checkbox"/> AH1223LT__		•
20	120/277		Single pole, pilot lighted red toggle	RD	<input type="checkbox"/> AH1221PL		•
			Double pole, pilot lighted red toggle	RD	<input type="checkbox"/> AH1222PL		•
			30	120/277	Double pole, pilot lighted red toggle	RD	<input type="checkbox"/> 3032PL*

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

#### Industrial grade AC toggle switches, back & side wire

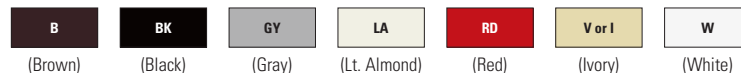


Rating	A	V/AC	Description	Color suffix	Catalog no.		
15	347		Single pole, Canadian voltage toggle	B, I, W	<input type="checkbox"/> AH18201__«		•
			Double pole, Canadian voltage toggle	B, I	<input type="checkbox"/> AH18202__«		•
			3-Way, Canadian voltage toggle	B, I, W	<input type="checkbox"/> AH18203__«		•
20	347		Single pole, Canadian voltage toggle	B, I, W	<input type="checkbox"/> AH18221__«		•
			Double pole, Canadian voltage toggle	B, I	<input type="checkbox"/> AH18222__«		•
			3-Way, Canadian voltage toggle	B, I, W	<input type="checkbox"/> 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)



#### 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](http://www.eaton.com/wiringdevices)

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## Industrial grade AC three-position switches

### Product description

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

### 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	<input type="checkbox"/> 2225V	•
			Double pole, maintained contact toggle, center off	B, V	<input type="checkbox"/> 2226__	•

### AC momentary contact switches, side wire

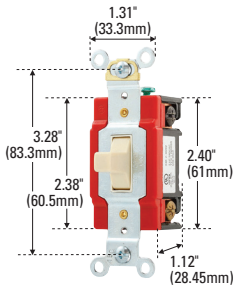


Rating	A	V/AC	Description	Color suffix	Catalog no.	
15	120/277		Single pole, momentary contact toggle, center off	B, GY, V	<input type="checkbox"/> 1895__	•
			Single pole, momentary contact locking, center off, nickel locking dome		<input type="checkbox"/> 1895L	•
20	120/277		Single pole, momentary contact toggle, center off	B, GY, RD, V	<input type="checkbox"/> 1995__	•
			Single pole, momentary contact toggle, center off	W	<input type="checkbox"/> AH1995W	•
			Single pole, momentary contact locking, center off, nickel locking dome		<input type="checkbox"/> 1995L	•

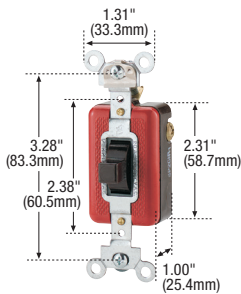
### Accessories for industrial grade maintained & momentary switches

Description	Catalog no.	
Replacement key for locking switches, 1895L & 1995L	<input type="checkbox"/> AH2000	
1-Gang, standard size, toggle, 302/304 Stainless steel wallplate	<input type="checkbox"/> 93071	•
1-Gang, standard size, toggle, unbreakable nylon wallplate	<input type="checkbox"/> 5134V	•

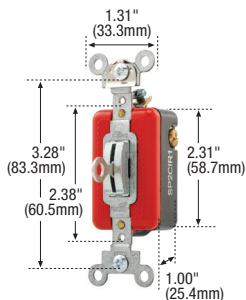
Stainless steel wallplates made in China.



2225



1995



1995L



AH2000



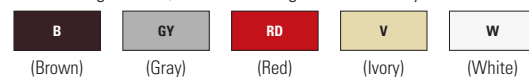
93071



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)



Specification information: D-25

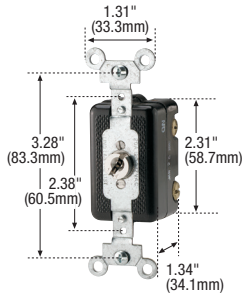
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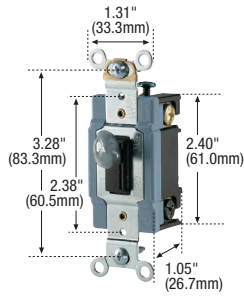
### Industrial grade AC locking switches

#### Product description

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



AH1191N



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	<input type="checkbox"/> AH1191N	•
			Single pole, Corbin locking switch, key removable in "OFF" position only	<input type="checkbox"/> AH1191NOF	•
			Double pole, Corbin locking switch	<input type="checkbox"/> AH1192N	•
			3-Way, Corbin locking switch	<input type="checkbox"/> AH1193N	•

#### AC locking switches, back & side wire



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

\* Not Nom cert

#### Accessories for industrial grade switches

Description	Catalog no.	
Replacement key for Corbin locking switches	<input type="checkbox"/> AH14	
Stainless steel wallplate for Corbin locking switches with "ON-OFF" indicator engraving	<input type="checkbox"/> AH1187	•
Stainless steel wallplate for Corbin locking switches	<input type="checkbox"/> AH1188	•
Replacement key for locking switches, 1895L & 1995L	<input type="checkbox"/> 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.

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# Commercial decorator switches specification & performance data

## 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
<b>Wiring type</b>	Back & side wire	Back & side wire	Back & side wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL20, file no. E18704</li> <li>UL verified to Fed Spec WC-896E</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL20/UL498, file no. E18704 (combination)</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL20/UL498, file no. E18704 (combination)</li> </ul>
<b>Environmental specifications</b>	<p><b>Flammability:</b> Meets UL94 requirements; V2 rated</p> <p><b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)</p>	<p><b>Flammability:</b> Meets UL94 requirements; V2 rated</p> <p><b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)</p>	<p><b>Flammability:</b> Meets UL94 requirements; V2 rated</p> <p><b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)</p>
<b>Electrical specifications</b>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> 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>
<b>Mechanical specifications</b>	<p><b>Terminal accommodation:</b> #14 - #10 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> 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><b>Terminal accommodation:</b> #14 - #10 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> 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><b>Terminal accommodation:</b> #14 - #12 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> 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>
<b>Materials</b>	<p><b>Paddle:</b> Polycarbonate</p> <p><b>Top housing:</b> Polycarbonate</p> <p><b>Bottom housing:</b> PVC</p> <p><b>Strap:</b> 0.045" thick steel, zinc plated, (yellow chromate on 20A)</p> <p><b>Auto ground clip:</b> Phosphor bronze</p> <p><b>Terminals:</b> 0.035" thick brass</p> <p><b>Terminal screws:</b> #8-32 steel with #10 head, brass plated; neutral screw nickel plated</p> <p><b>Ground screw:</b> #8-32 steel, brass plated, green</p> <p><b>Back wire clamp:</b> Steel, brass plated</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> Brass</p> <p><b>Illuminated models:</b> Long-life neon bulb</p> <p><b>Pilot light models:</b> Red polycarbonate pilot lens with long-life neon bulb</p> <p><b>Receptacle line contacts:</b> N/A</p> <p><b>Receptacle ground shunt:</b> N/A</p>	<p><b>Paddle:</b> PVC</p> <p><b>Top housing:</b> PVC</p> <p><b>Bottom housing:</b> PVC</p> <p><b>Strap:</b> 0.045" thick steel, zinc plated</p> <p><b>Auto ground clip:</b> Phosphor bronze</p> <p><b>Terminals:</b> 0.03" thick brass</p> <p><b>Terminal screws:</b> #8-32 steel, brass plated; neutral screw nickel plated</p> <p><b>Ground screw:</b> #8-32 steel, brass plated, green</p> <p><b>Back wire clamp:</b> Steel, brass plated</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> Brass</p> <p><b>Illuminated models:</b> N/A</p> <p><b>Pilot light models:</b> N/A</p> <p><b>Receptacle line contacts:</b> N/A</p> <p><b>Receptacle ground shunt:</b> N/A</p>	<p><b>Paddle:</b> PVC</p> <p><b>Top housing:</b> PVC</p> <p><b>Bottom housing:</b> PVC</p> <p><b>Strap:</b> 0.045" thick steel, zinc plated</p> <p><b>Auto ground clip:</b> Phosphor bronze</p> <p><b>Terminals:</b> 0.03" thick brass</p> <p><b>Terminal screws:</b> #8-32 steel, brass plated; neutral screw nickel plated</p> <p><b>Ground screw:</b> #8-32 steel, brass plated, green</p> <p><b>Back wire clamp:</b> Steel, brass plated</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> Brass</p> <p><b>Illuminated models:</b> N/A</p> <p><b>Pilot light models:</b> N/A</p> <p><b>Receptacle line contacts:</b> 0.03" thick brass</p> <p><b>Receptacle ground shunt:</b> 0.03" thick brass</p>

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

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

# Heavy-duty specification grade toggle switches specification & performance data

## Heavy-duty specification grade switches

### Product description

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

<b>Device type</b>	<b>Heavy-duty industrial grade AC toggle switches 1200 &amp; 1220 series</b>
<b>Wiring type</b>	Back & side wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL 20, file no. E18704</li> <li>UL Verified to Federal Spec WS-896-E</li> <li>CSA Certified to C22.2, no. 111, file no. 10016 (6241-05)</li> </ul>
<b>Environmental specifications</b>	<p><b>Flammability:</b> Meets UL94 requirements; V2 rated</p> <p><b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)</p>
<b>Electrical specifications</b>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL 20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 50,000 cycles of endurance testing</p>
<b>Mechanical specifications</b>	<p><b>Terminal accommodation:</b> #14 - 10 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> 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</p>
<b>Materials</b>	<p><b>Toggle:</b> Nylon</p> <p><b>Top housing:</b> Polycarbonate</p> <p><b>Bottom housing:</b> Polycarbonate</p> <p><b>Strap:</b> 0.045" thick galvanized steel</p> <p><b>Auto ground:</b> Phosphor bronze</p> <p><b>Terminals:</b> 0.031" thick brass</p> <p><b>Terminal screws:</b> #8-32 steel, brass plated, black</p> <p><b>Ground screw:</b> #8-32 steel, zinc plated, green</p> <p><b>Back wire clamp:</b> 0.080" thick steel</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> 0.031" thick brass</p>

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
<b>Wiring type</b>	Back & side wire	Back & side wire	Back & side wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL20, file no. E18704</li> <li>UL verified to Fed Spec WS-896-E</li> <li>CSA certified to C22.2, no. 111, file no. 10016 (6241-05)</li> </ul>	<ul style="list-style-type: none"> <li>Listed to UL20, file no. E135162</li> <li>UL verified to Fed Spec WS-896-E</li> <li>CSA certified to C22.2, no. 111, file no. 12339 (6241-05)</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL20, file no. E18704</li> <li>UL verified to Fed Spec WS-896-E</li> <li>CSA certified to C22.2, no. 111, file no. 10016 (6241-05)</li> </ul>
<b>Environmental specifications</b>	<p><b>Flammability:</b> Meets UL94 requirements; V2 rated</p> <p><b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)</p>	<p><b>Flammability:</b> Meets UL94 requirements; V0 rated</p> <p><b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)</p>	<p><b>Flammability:</b> Meets UL94 requirements; V0 rated</p> <p><b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)</p>
<b>Electrical specifications</b>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p>
<b>Mechanical specifications</b>	<p><b>Terminal accommodation:</b> #14 - #10 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> 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><b>Terminal accommodation:</b> #14 - #10 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> 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><b>Terminal accommodation:</b> #14 - #10 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> Rated for motor loads per UL20: 30A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 24A</p>
<b>Materials</b>	<p><b>Toggle:</b> Nylon</p> <p><b>Top housing:</b> Polycarbonate</p> <p><b>Bottom housing:</b> Polycarbonate</p> <p><b>Strap:</b> 0.045" thick galvanized steel, nickel plated</p> <p><b>Auto ground clip:</b> 0.015" thick brass</p> <p><b>Terminals:</b> 0.030" thick brass</p> <p><b>Terminal screws:</b> #10-32 brass, black</p> <p><b>Ground screw:</b> #8-32 steel, zinc plated, green</p> <p><b>Back wire clamp:</b> 0.070" plated steel</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> 0.031" thick brass</p> <p><b>Illuminated models:</b> Long-life neon bulb</p> <p><b>Pilot light models:</b> Red polycarbonate toggle with long-life neon bulb</p>	<p><b>Toggle:</b> Polycarbonate</p> <p><b>Top housing:</b> Phenolic</p> <p><b>Bottom housing:</b> Phenolic</p> <p><b>Strap:</b> 0.050" thick galvanized steel</p> <p><b>Auto ground clip:</b> 0.016" thick brass</p> <p><b>Terminals:</b> 0.032" thick high performance copper alloy</p> <p><b>Terminal screws:</b> #10-32 brass, black</p> <p><b>Ground screw:</b> #8-32 steel, zinc plated, green</p> <p><b>Back wire clamp:</b> 0.04" thick brass</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> 0.031" thick brass</p> <p><b>Illuminated models:</b> N/A</p> <p><b>Pilot light models:</b> N/A</p>	<p><b>Toggle:</b> Nylon</p> <p><b>Top housing:</b> Polycarbonate</p> <p><b>Bottom housing:</b> Polycarbonate</p> <p><b>Strap:</b> 0.045" thick galvanized steel, nickel plated</p> <p><b>Auto ground clip:</b> 0.015" thick brass</p> <p><b>Terminals:</b> 0.030" thick high performance copper alloy</p> <p><b>Terminal screws:</b> #10-32 brass, neutral screw nickel plated</p> <p><b>Ground screw:</b> #8-32 steel, zinc plated, green</p> <p><b>Back wire clamp:</b> 0.070" plated steel</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> 0.031" thick brass</p> <p><b>Illuminated models:</b> Long-life neon bulb</p> <p><b>Pilot light models:</b> Red polycarbonate toggle with LED</p>

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
<b>Wiring type</b>	Back & side wire	Back & side wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>• 1205: Listed to UL508, file no. E156836</li> <li>• 2220 series: cULus Listed to UL210, file no. E18704</li> <li>• 2220 series: UL verified to Fed Spec WS-896</li> <li>• 1205: CSA certified C22.1, no.111</li> <li>• NOM certified</li> </ul>	<ul style="list-style-type: none"> <li>• Listed to UL508, file no. E135162</li> <li>• UL verified to Fed Spec WS-896E</li> <li>• CSA certified C22.1, no. 111</li> <li>• NOM certified</li> </ul>
<b>Environmental specifications</b>	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature rating:</b> -20°C to 65°C (-4°F to 149°F)	<b>Flammability:</b> Meets UL94 requirements; V0 rated <b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)
<b>Electrical specifications</b>	<b>Dielectric voltage:</b> Withstands 1500V per UL20 <b>Current interrupting:</b> Yes, at full-rated current <b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing	<b>Dielectric voltage:</b> Withstands 1500V per UL20 <b>Current interrupting:</b> Yes, at full-rated current <b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing
<b>Mechanical specifications</b>	<b>Terminal accommodation:</b> #14 - #10 AWG <b>Voltage ratings:</b> Permanently marked on device <b>Horsepower ratings:</b> 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	<b>Terminal accommodation:</b> #14 - #10 AWG <b>Voltage ratings:</b> Permanently marked on device <b>Horsepower ratings:</b> 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
<b>Materials</b>	<b>Toggle:</b> Urea <b>Top housing:</b> Urea <b>Bottom housing:</b> Phenolic <b>Strap:</b> 0.05" thick steel <b>Auto ground clip:</b> 0.016" thick brass <b>Terminals:</b> 0.032" thick brass <b>Terminal screws:</b> #8-32 brass <b>Ground screw:</b> #8-32 brass, green <b>Back wire clamp:</b> 0.031" thick brass <b>Contacts:</b> Silver alloy <b>Moveable contact arm:</b> 0.032" thick brass <b>Pressure plate:</b> 0.069" thick brass <b>Illuminated models:</b> N/A <b>Pilot light models:</b> N/A	<b>Toggle:</b> Polycarbonate <b>Top housing:</b> Urea <b>Bottom housing:</b> Urea <b>Strap:</b> 0.05" thick galvanized steel <b>Auto ground clip:</b> 0.016" thick brass <b>Terminals:</b> 0.032" thick high performance copper alloy <b>Terminal screws:</b> #10-32 brass <b>Ground screw:</b> #8-32 steel, zinc plated, green <b>Back wire clamp:</b> 0.04" thick brass <b>Contacts:</b> Silver alloy <b>Moveable contact arm:</b> 0.018" thick copper <b>Pressure plate:</b> 0.063" thick steel <b>Illuminated models:</b> N/A <b>Pilot light models:</b> N/A

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

## 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
<b>Wiring type</b>	Back & side wire	Back & side wire	Back & side wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL20, file no. E135162</li> <li>UL verified to Fed Spec WS-896E</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL20, file no. E18704</li> <li>UL verified to Fed Spec WS-896E</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL20, file no. E18704</li> <li>UL verified to Fed Spec WS-896E</li> <li>NOM certified</li> </ul>
<b>Environmental specifications</b>	<p><b>Flammability:</b> Meets UL94 requirements; V0 rated</p> <p><b>Temperature rating:</b> -20°C to 65°C (-4°F to 149°F)</p>	<p><b>Flammability:</b> Meets UL94 requirements; V0 rated</p> <p><b>Temperature rating:</b> -20°C to 65°C (-4°F to 149°F)</p>	<p><b>Flammability:</b> Meets UL94 requirements; V0 rated</p> <p><b>Temperature rating:</b> -20°C to 65°C (-4°F to 149°F)</p>
<b>Electrical specifications</b>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL20</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing</p>
<b>Mechanical specifications</b>	<p><b>Terminal accommodation:</b> #14 - #12 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> Rated for motor loads per UL20: 20A: @ 120V/AC = 1 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 16A</p>	<p><b>Terminal accommodation:</b> #14 - #10 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> 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><b>Terminal accommodation:</b> #14 - #10 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p> <p><b>Horsepower ratings:</b> Rated for motor loads per UL20: 30A: @ 120V/AC = 2 HP, @ 240V/AC = 2 HP; @ 277V/AC = 2 HP, max. amps 24A</p>
<b>Materials</b>	<p><b>Lock dome/housing:</b> Steel, nickel plated</p> <p><b>Top housing:</b> Urea</p> <p><b>Bottom housing:</b> Urea</p> <p><b>Strap:</b> 0.05" steel</p> <p><b>Auto ground clip:</b> N/A</p> <p><b>Stationary terminals:</b> 0.042" thick brass</p> <p><b>Terminal screws:</b> #6-32 brass</p> <p><b>Ground screw:</b> #6-32 brass</p> <p><b>Back wire clamp:</b> 0.062" thick steel</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> 0.042" thick brass</p>	<p><b>Lock dome/housing:</b> Glass-filled nylon</p> <p><b>Top housing:</b> Urea</p> <p><b>Bottom housing:</b> Phenolic</p> <p><b>Strap:</b> 0.050" thick steel</p> <p><b>Auto ground clip:</b> 0.030" thick brass</p> <p><b>Stationary terminals:</b> 0.032" thick brass</p> <p><b>Terminal screws:</b> #8-32 brass</p> <p><b>Ground screw:</b> #8-32 steel, zinc plated, green</p> <p><b>Back wire clamp:</b> 0.030" thick brass</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> 0.031" thick brass</p>	<p><b>Lock dome/housing:</b> Glass-filled nylon</p> <p><b>Top housing:</b> Urea</p> <p><b>Bottom housing:</b> Phenolic</p> <p><b>Strap:</b> 0.050" thick steel</p> <p><b>Auto ground clip:</b> 0.030" thick brass</p> <p><b>Stationary terminals:</b> 0.032" thick brass</p> <p><b>Terminal screws:</b> #8-32 brass, neutral screw, nickel plated</p> <p><b>Ground screw:</b> #8-32 steel, zinc plated, green</p> <p><b>Back wire clamp:</b> 0.030" thick brass</p> <p><b>Contacts:</b> Silver alloy</p> <p><b>Moveable contact arm:</b> 0.032" thick brass</p>

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

# Industrial & commercial ArrowLink switches specification & performance data

## 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;
<b>Wiring type</b>	Back & side wire	Back & side wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL20, file no. E18704</li> <li>UL verified to Fed Spec WS-896</li> <li>NOM certified</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL20, file no. E18704</li> <li>UL verified to Fed Spec WS-896</li> </ul>
<b>Environmental specifications</b>	<b>Flammability:</b> Meets UL94 requirements; V0 rated <b>Temperature rating:</b> -20°C to 65°C (-4°F to 149°F)	<b>Flammability:</b> Meets UL94 requirements; V0 rated <b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)
<b>Electrical specifications</b>	<b>Max. working voltage, continuous current &amp; endurance:</b> Maximum working voltage 277V/AC Max. cont. current: 15A, 20A Endurance: 50,000 cycles min. <b>Overload:</b> Minimum 4.8 times rated current for 100 cycles <b>Temperature rise:</b> Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC) <b>Horsepower ratings:</b> 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	<b>Max. working voltage, continuous current &amp; endurance:</b> Maximum working voltage 277V/AC Max. cont. current: 15A, 20A Endurance: 50,000 cycles min. <b>Overload:</b> Minimum 4.8 times rated current for 100 cycles <b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload & 30,000 cycles of endurance <b>Horsepower ratings:</b> 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
<b>Mechanical specifications</b>	<b>Terminal accommodation:</b> #14 - #10 AWG <b>Voltage ratings:</b> Permanently marked on device	<b>Terminal accommodation:</b> #14 - #10 AWG <b>Voltage ratings:</b> Permanently marked on device
<b>Materials</b>	<b>Toggle/paddle:</b> Urea <b>Top &amp; bottom housing:</b> Top: Urea; Bottom: Phenolic <b>Strap:</b> 0.050" thick galvanized steel <b>Auto ground clip:</b> 0.030" thick brass <b>Terminals:</b> 0.031" thick brass <b>Terminal &amp; ground screws:</b> #8-32 brass, black screw; ground: #8-32 steel, zinc plated, green <b>Contacts:</b> Silver alloy <b>Moveable contact arm:</b> 0.031" thick brass <b>Pressure plate:</b> 0.068" thick brass <b>Illuminated models:</b> Long-life neon bulb	<b>Toggle/paddle:</b> Polycarbonate <b>Top &amp; bottom housing:</b> Top: polycarbonate; Bottom: 0.045" thick PVC <b>Strap:</b> 0.050" thick steel, zinc plated, (yellow chromate on 20A) <b>Auto ground clip:</b> Phosphor bronze wire <b>Terminals:</b> 0.035" thick brass <b>Terminal &amp; ground screws:</b> #8-32 steel, brass plated; neutral screw nickel plated, ground screw, green <b>Contacts:</b> Silver alloy <b>Moveable contact arm:</b> 0.035" thick brass <b>Pressure plate:</b> 0.035" thick brass <b>Illuminated models:</b> Long-life neon bulb

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