

AC Switches

Industrial, Commercial and Residential Grade

We supply a complete line of 15, 20 and 30 Amp AC switches for controlling resistive and inductive loads and motors. A full selection of ratings is available in Industrial Grade, Commercial Grade and Residential Grade.

The following pages provide a comprehensive overview of the complete AC Quiet Switches product line. Ordering information will help you select the switches best suited to meet your application requirements.

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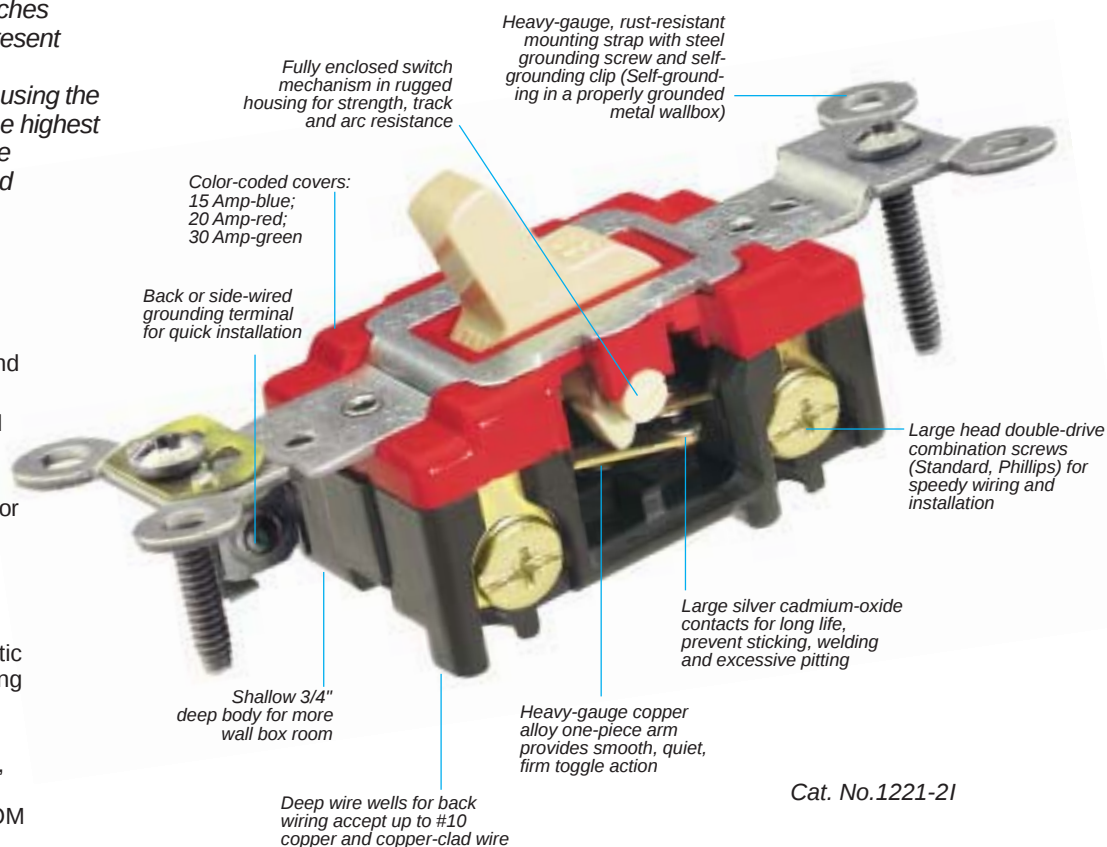


Industrial Grade AC Switches

These Industrial Grade AC switches for heavy-duty applications represent top-of-the-line quality and peak performance. Manufactured by using the finest materials available and the highest production standards to produce industrial switches of unmatched versatility and reliability.

Features and Benefits

- Top-of-the-line industrial-grade quality for peak performance and rugged, long-lasting service
- All screws are double-drive and accept Standard and Phillips screwdrivers
- Clamp-type back-wire terminals for secure connection of solid or stranded wire
- Back or side-wired grounding terminal offers wiring flexibility
- Sturdy, long-lasting thermoplastic toggles provide smooth switching action and long life
- UL listed (UL E-7458) to meet the latest Federal Specification, WS-896; CSA Certified (CSA LR-3413) where applicable; NOM Certified; complies with NEMA and ANSI requirements
- Backed by a Limited 10-Year Warranty



Cat. No. 1221-21

A Complete Line of Industrial Specification Grade Switches

Back and Side Wired



Maximum versatility for speedy installation. Top-of-the-line quality for long service life.

Cat. No. 1201-2

Side Wired



Sturdy, rugged and cost effective.

Cat. No. 1101-2W

Pilot Light



When power to the load is turned on, switch toggle is illuminated for visual confirmation.

Cat. No. 1201-PLC

Lighted Handle



Toggle glows softly when power is off to serve as locator in darkened rooms.

Cat. No. 1221-LHI

Locking



Designed to prevent tampering and unauthorized switching.

Cat. No. 1101-2L

Maintained and Momentary Contact



Available in a variety of ratings.

Cat. No. 1257

Key Lock Power



Key-operated locking mechanism for maximum tamper-proof operation

Cat. No. 1221-2KL

AC Manual Motor Starting



For control of horse-power-rated and other inductive and resistive loads

Cat. No. MS303

Industrial Grade

AC Switches

Back and Side Wired 120/277V AC Quiet Switches

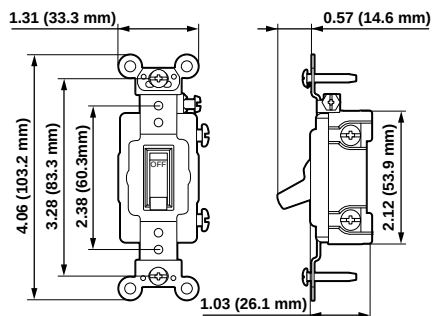
DESCRIPTION	15 AMP	20 AMP	30 AMP	COLOR*
				Basic Cat. No. Denotes Brown
Single-Pole Toggle	1201-2	1221-2	3031-2	15A: I, W, GY, R 20A: I, W, GY, R, E, A 30A: I, W
Single-Pole Locking†	1201-2L	1221-2L	3031-2L	15A: I; 20A: I, W, G, R
Double-Pole Toggle	1202-2	1222-2	3032-2	15A: I, W, GY 20A: I, W, GY, R, E 30A: I, W
Double-Pole Locking†	1202-2L	1222-2L	3032-2L	20A: I
3-Way Toggle	1203-2	1223-2	3033-2	15A: I, W, GY, R 20A: I, W, GY, R, E 30A: I, W
3-Way Locking†	1203-2L	1223-2L	3033-2L	15A: I 20A: I, W, G
4-Way Toggle	1204-2	1224-2	—	15A: I, W, GY 20A: I, W, GY, R, E
4-Way Locking†	1204-2L	1224-2L	—	20A: I, G, W
Single Pole Toggle	—	1221-S	—	20A: I, W, R, GY
3-Way Toggle	—	1223-S	—	20A: I, W, R, GY
4-Way Toggle	—	1224-S	—	20A: I, W, GY

†Key for Locking Switch: Cat. No. 55500-PRT.

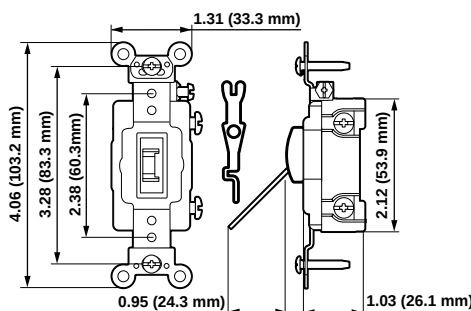
Back and Side Wired Canadian 347V AC Quiet Switches

DESCRIPTION	15 AMP 347V AC	20 AMP 347V AC	COLOR**
			See Canadian Color
Single-Pole Toggle	18201	18221	15A & 20A: I, W, B, R, G
Single-Pole Locking†	18201-L	18221-L	15A & 20A: B only
Double-Pole Toggle	18202	18222	15A: I only 20A: I, B
Double-Pole Locking†	18202-L	18222-L	15A & 20A: B only
3-Way Toggle	18203	18223	15A & 20A: I, W, B, R, G
3-Way Locking†	18203-L	18223-L	15A & 20A: B only
4-Way Toggle	18204	18224	15A: I, B, R, G 20A: I, B
4-Way Locking†	18204-L	18224-L	15A & 20A: B only

†Key for Locking Switch: Cat. No. 55500-PRT.



TOGGLE 1201-2, 1221-2



1201-2L



1221-2L

SPECIFICATIONS & FEATURES

- Top-of-the-line industrial quality
- Heavy gauge copper alloy one-piece arm for top performance
- Large silver cadmium-oxide contacts for long life, prevent sticking, welding and excessive pitting
- Color-coded covers: 15 Amp-blue; 20 Amp-red; 30 Amp-green
- See Section T for more technical information

TESTING & CODE COMPLIANCE

- Meets all NEMA WD-1 & ANSI requirements
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other color available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY or -G), Red (-R), Black/Ebony (-E), Almond (-A). For locking switch colors, use the following suffixes: Ivory (-2IL), White (-2WL), Gray (-2GL), Red (-2RL).

**CANADIAN COLOR

For color selection, add suffix to catalog number as follows: Ivory (-I), White (-W), Brown (-B), Red (-R), and Gray (-G).

HORSEPOWER

15A	20A	30A
1/2 @ 120V	1 @ 120V	2 @ 120V
2 @ 240V	2 @ 240V	2 @ 240V
2 @ 277V	2 @ 277V	2 @ 277V

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Industrial Grade

AC Switches



Pilot Light and Lighted Handle

Back and Side Wired Pilot Light

DESCRIPTION*	15 AMP 120V	20 AMP 120V	30 AMP 120V	20 AMP 277V
Single-Pole	1201-PL	1221-PL	3031-PL✓	1221-7P✓
Double-Pole	1202-PL [†]	1222-PL	3032-PL✓	1222-7P [†]
3-Way	1203-PL	1223-PL	—	1223-7P [†]

Note: Pilot light switches require a neutral wire; lighted handle switches do not require a neutral wire.

*Available toggles for these devices: Clear (-PLC), Red (-PLR), Green (-PLG).

[†]: Available in red toggle only.

✓: Available in ivory or red toggle only.

Back and Side Wired Lighted Handle

DESCRIPTION [†]	15 AMP 120V	20 AMP 120V	30 AMP 120V	20 AMP 277V
Single-Pole	1201-LH	1221-LH	3031-LH*	1221-7L
3-Way	1203-LH	1223-LH	—	1223-7L

Note: Pilot light switches require a neutral wire; lighted handle switches do not require a neutral wire.

[†]Available toggles for these devices: Clear (-LHC), Ivory (-LHI), White (-LHW).

*: Available in ivory toggle only.

SPECIFICATIONS & FEATURES

- Pilot light and lighted handle switches provide top performance in punishing industrial applications
- Lighted handle illuminated when load is off. Pilot light toggle illuminated when load is on.
- 120 and 277V versions in single pole and 3-way
- Fully enclosed switch mechanism in rugged housing for strength, track and arc resistance
- See [section T](#) for more technical information

TESTING & CODE COMPLIANCE

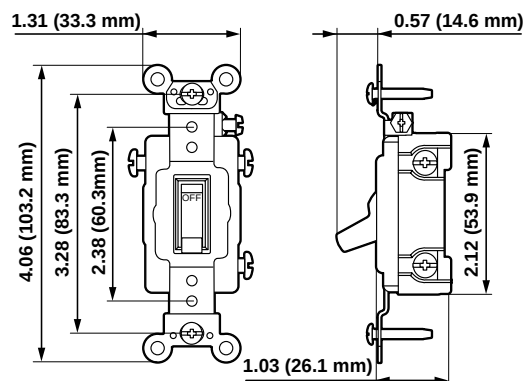
- Meets all requirements for NEMA WD-1, ANSI
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)
- UL 20 Test and others as appropriate
- Backed by a Limited 10-Year Warranty

HORSEPOWER

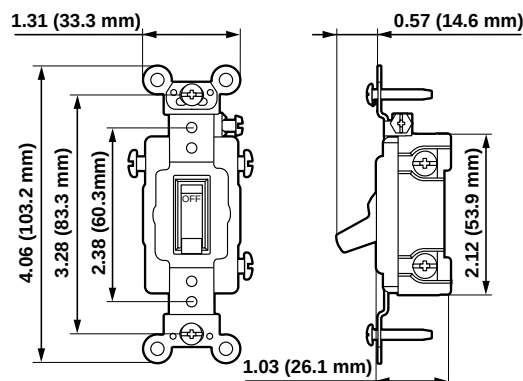
15A	20A	30A
1/2 @ 120V	1 @ 120V	2 @ 120V
2 @ 240V	2 @ 240V	2 @ 240V
2 @ 277V	2 @ 277V	2 @ 277V

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.



LIGHTED HANDLE (GLOWS WHEN LOAD IS OFF)
Cat. No. 1201-LH, 1221-LH



PILOT LIGHT (GLOWS WHEN LOAD IS ON)
Cat. No. 1201-PLC, 1221-PLC

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, [section G](#).

Industrial Grade

AC Switches

Maintained and Momentary Contact

Back and Side Wired Maintained Contact 120/277V AC

DESCRIPTION	15 AMP	20 AMP	30 AMP	COLOR* Basic Cat. No. Denotes Brown
Single-Pole, Double Throw, Center Off	1281	1285	1287	15A: I, W 20A: I, W, GY 30A: I
Single-Pole, Double Throw, Center Off, Locking†	1281-L	1285-L	1287-L	15, 20 & 30A: Black only
Double-Pole, Double Throw, Center Off	1282	1286	1288	15A: I, W 20A: I, W 30A: I
Double-Pole, Double Throw, Center Off, Locking†	—	—	1288-L	30A: Black only

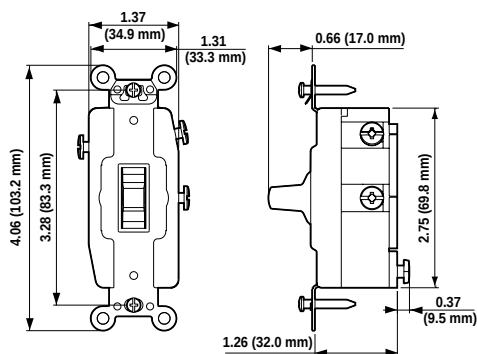
†Key for Locking Switch: Cat. No. 55500-PRT



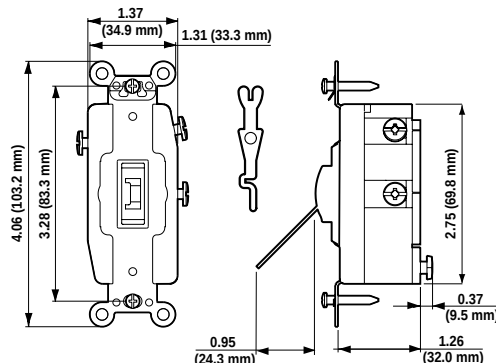
Back and Side Wired Momentary Contact 120/277V AC

DESCRIPTION	15 AMP	20 AMP	30 AMP	COLOR* Basic Cat. No. Denotes Brown
Single-Pole, Double-Throw, Center Off	1256	1257	1260	15 & 20A: I, W, GY 30A: Brown only
Single-Pole, Double-Throw, Center Off, Locking†	1256-L	1257-L	—	15: I 20A: Black only
Double-Pole, Double-Throw, Center Off	—	—	1262	30A: Brown only

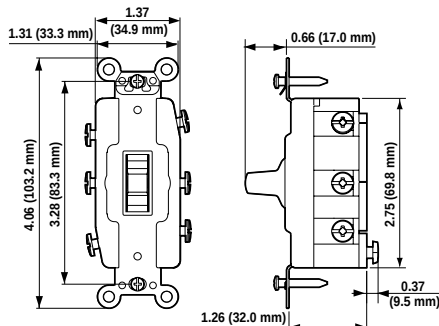
†Key for Locking Switch: Cat. No. 55500-PRT.
All devices are UL Listed and CSA Certified.



SINGLE-POLE, DOUBLE THROW
Cat. No. 1256, 1257, 1281, 1285, 1287



SINGLE-POLE, DOUBLE THROW LOCKING
Cat. No. 1256-L, 1257-L, 1281-L 1285-L, 1287-L



DOUBLE POLE, DOUBLE THROW MOMENTARY AND MAINTAINED
Cat. No. 1282, 1286, 1288

SPECIFICATIONS & FEATURES

- Single-Pole and Double-Pole versions, toggle or locking
- Positive switching action with center-off position
- Large silver cadmium-oxide contacts for long life, prevent sticking, welding and excessive pitting
- Clamp-type terminals accept up to #10 CU wire
- Full rated current capacity on fluorescent, tungsten and resistive loads; motor load capacity up to 80% switch current rating
- See [section T](#) for more technical information

TESTING & CODE COMPLIANCE

- Meets all requirements for NEMA WD-1, ANSI
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color except for Locking Devices (Black). Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W) and Gray (-GY).

HORSEPOWER

15A	20A	30A
1/2 @ 120V	1 @ 120V	2 @ 120V
2 @ 240V	2 @ 240V	2 @ 240V
2 @ 277V	2 @ 277V	2 @ 277V

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, [section G](#).

Industrial Grade

AC Switches



Side Wired 120/277V AC Quiet Switches

DESCRIPTION	15 AMP	20 AMP	COLOR*
Basic Cat. No. Denotes Brown			
Single-Pole Toggle	1101-2	1121-2	15A: I, W, GY 20A: I, W, GY, R
Single-Pole Locking†	1101-2L	1121-2L	15A & 20A: Brown Only
Double-Pole Toggle	1102-2	1122-2	15A: I 20A: I, W, GY
Double-Pole Locking	1102-2L	1122-2L	15A & 20A: Brown Only
3-Way Toggle	1103-2	1123-2	15A: I, W, GY 20A: I, W, GY, R
3-Way Locking†	1103-2L	1123-2L	15A & 20A: Brown Only
4-Way Toggle	1104-2	1124-2	15A: Ivory only 20A: I, W, GY, R
4-Way Locking†	1104-2L	1124-2L	15A & 20A: Brown Only

†Key for Locking Switch: Cat. No. 55500-PRT.

SPECIFICATIONS & FEATURES

- Rugged construction for trouble-free service in industrial environments
- Heavy-gauge copper alloy one-piece arm for smooth, quiet, firm toggle action
- Large silver cadmium-oxide contacts for long life, prevent sticking, welding and excessive pitting
- Large head, deep-slotted terminal screws for fast, easy wiring; accept up to #10 copper and copper-clad wire
- See [section T](#) for more technical information

TESTING & CODE COMPLIANCE

- Meets all requirements for NEMA WD-1, ANSI
- UL Listed (File #E-7458) to meet the latest Federal Specification, WS-896
- CSA Certified (File #152105)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

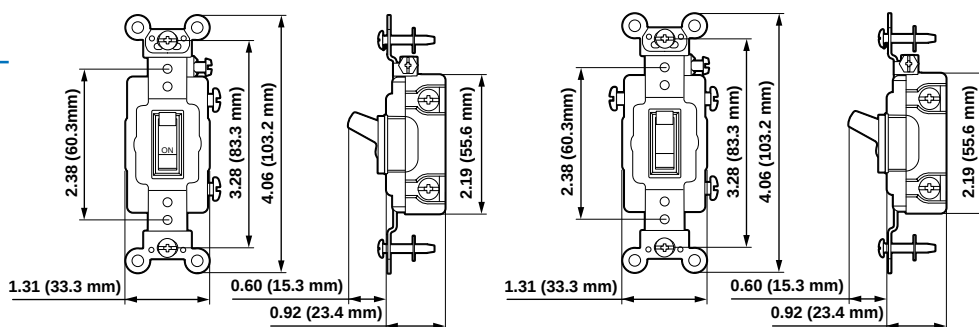
Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Red (-R), Black/Ebony (-E).

HORSEPOWER

15A	20A	30A
½ @ 120V	1 @ 120V	2 @ 120V
2 @ 240V	2 @ 240V	2 @ 240V
2 @ 277V	2 @ 277V	2 @ 277V

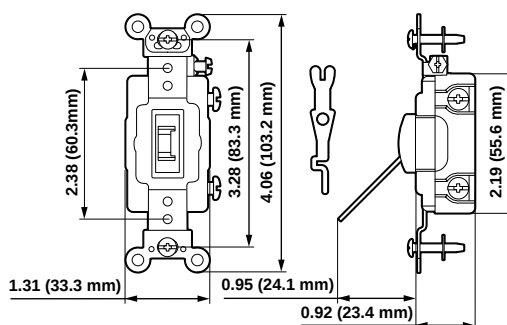
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.



SINGLE-POLE TOGGLE
Cat. No. 1101-2, 1121-2

3-WAY TOGGLE
Cat. No. 1103-2, 1123-2



SINGLE-POLE LOCKING
Cat. No. 1101-2L, 1121-2L

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, [section G](#).

Industrial Grade

AC Manual Motor and Welder Starting Switches

Back and Side Wired AC Manual Motor Starting Switches 30 AMP 600V AC

DESCRIPTION	MAX. HP RATING	IN NEMA 1 ENCL.	IN NEMA 3R ENCL.	SWITCH ONLY
Double-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	2HP 120V AC 5HP 240V AC 10HP 480V AC 15HP 600V AC	N1302	N3302	MS302
Same as above – Short Toggle		—	—	MS302-S
Three-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	3HP 120V AC 7.5HP 240V AC 15HP 480V AC 20HP 600V AC	N1303	N3303	MS303
Same as above – Short Toggle		—	—	MS303-S

Back and Side Wired AC Manual Motor Starting Switches 40 AMP 600V AC

DESCRIPTION	MAX. HP RATING	CAT. NO.
Double-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	2HP 120V AC 5HP 240V AC 10HP 480V AC 15HP 600V AC	MS402
Three-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	3HP 120V AC 7.5HP 240V AC 15HP 480V AC 20HP 600V AC	MS403

Back or Front Wired AC Manual Motor Starting Switches 60 AMP 600V AC

DESCRIPTION	MAX. HP RATING	IN NEMA 3R ENCL.	SWITCH ONLY
Double-pole, single-throw AC manual motor starting switch, without overload protection. Back Wired. Color: Black	10HP 240V AC 15HP 480V AC 20HP 600V AC	N3602	MS602-BW
Same as above except Front Wired		—	MS602-FW
Three-pole, single-throw AC manual motor starting switch, without overload protection. Back Wired. Color: Black	10HP 240V AC 25HP 480V AC 30HP 600V AC	N3603	MS603-BW
Same as above except Front Wired		—	MS603-FW

Enclosures and Wallplates

DESCRIPTION	CAT. NO.
NEMA 1 steel encl. for 30A MS Switches	N13NC
NEMA 3R encl. for 30A or 40A MS Switches	N33NC
NEMA 3R encl. for 40A or 60A MS Switches	N36NC
302 Stainless Steel Lockout Wallplate w/tamper-resistant screws and spanner tool	84001-LOK

Side Wired AC Manual Welder Starting Switches 40 AMP 600V AC

DESCRIPTION	MAX. HP RATING	CAT. NO.
Double-pole, single-throw AC manual welder starting switch. Color: Black	5HP 250V AC	WS402



SPECIFICATIONS & FEATURES

MS Switches

- All molded parts are thermoplastic to resist impacts, chemicals, temperature, tracking and arcing
- Positive-contact design enhances fast-make/ slow-break
- Silver-alloy contacts for maximum conductivity and service life
- Back and side wire terminals accept up to #10 AWG solid copper wire. For stranded #8 AWG wire, remove terminal clamp and use ring terminal
- Oversized #10 triple-combination terminal screws are vibration resistant
- Insulating barrier between terminals provide isolation from each phase
- Nickel-plated brass mounting yoke for superior corrosion resistance
- Large toggle provides positive actuation, even with gloved hand

WS Switches

- Capable of accommodating bus bar termination in multi-gang applications
- Hole for mounting hardware supports panel mounting with self-threading fasteners or pop rivets
- Terminal screws accept up to # 10 AWG solid copper wire. For stranded # 8 AWG wire, remove terminal clamp and use ring terminal
- Fast-threading, corrosion-resistant brass triple-combination screws for fast, easy installation

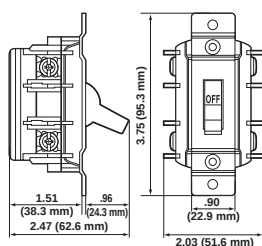
TESTING & CODE COMPLIANCE

- MS devices: UL & CUL Listed (File #E-63969)
- WS devices: UL Recognized Component (File #E-63969)
- MS & WS devices comply with UL 508
- Backed by a Limited Ten-Year Warranty

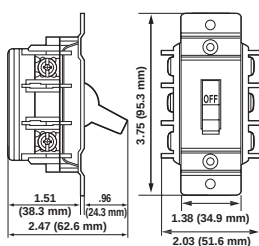
MATERIAL CHARACTERISTICS

UL94 VO Flammability Rating
Operating Temperature: -40°C to 65°C

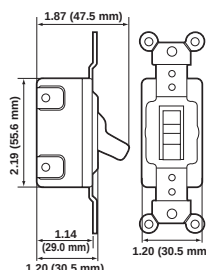
For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.



Cat. Nos. MS302, MS303



Cat. Nos. MS402, MS403



Cat. No. WS402

Industrial Grade

Safety Disconnect Switches

Watertight Safety Disconnect Switches

30 Amp Fused, 60 & 100 Amp (Fused & Non-Fused)

2 YEAR LIMITED
WARRANTY

Liquid-tight conduit fitting can be installed for top or bottom feed

One fitting supplied:

- 30 Amp - 1"
- 60 Amp - 1-1/2"
- 100 Amp - 2"

Stainless steel screws are captive and will not fall out when cover is opened

Impact UV and chemical-resistant Valox enclosure rated to UL and IEC watertight standards

- Type 3R, 4X & 12K
- IP67

Red "pistol grip" handle provides visual confirmation of switch's status

Integrated lockout handle meets OSHA safety regulations



Handle with padlock installed

Circuit identification pad for means of identifying specific equipment loads

DS60-FAX

Fused Models Accept
"Class J" Time-Delay
Fuses

Pre-wired grounding plates (top and bottom of enclosure) connect to metal conduit grounding system

Brass threaded inserts will not strip, provide higher torque, and form tighter seal between back box and cover

Rugged hinge mechanism pivots 180° for easy access during installation and maintenance

Generous wiring space for top to bottom wiring

Disconnect switch with integrated fuse holder offers proven performance in a compact package

- Fused cartridges accept "Class J" fuses (not included)
- 1 Factory installed Auxiliary Contact (Normally Open – 10 Amp)
- Additional Auxiliary Contact Available (Normally Closed – 10 Amp)
- Easily accessible neutral and ground terminal blocks

DS60-FAX



STANDARDS & CERTIFICATIONS

Safety Disconnect Switches

UL 98 Fused (Including 100A Non-Fused -DS)	UL 508 Non-Fused	CSA C22.2 No. 14	NOM	CE	IEC 947-3
E63969		✓	✓	✓	✓

Industrial Grade

Safety Disconnect Switches

Watertight Safety Disconnect Switches



Engineered to UL & IEC
Watertight Standards



DS30-AX
Engineered to IP65
Water Jetting Standards



DS60-FAX
(Fused)



DS100-AX
(Non-Fused)

2 YEAR LIMITED
WARRANTY

Ordering Information

AMPS	MAX VOLTAGE	CATALOG NO.	
		NON-FUSED	FUSED
30	600V AC	DS30-AX	DS30-FAX
60	600V AC	DS60-AX	DS60-FAX
100	600V AC	DS100-AX	

ELECTRICAL			
	Device	Current Applied	Duration
Ground Path Integrity	30 A	60 A	2 min
	60 A	120 A	4 min
	100 A	200 A	6 min
Current Interrupting	Certified for current interrupting at full-rated current and voltage		
Endurance	6000 operations at rated current and voltage (Power factor 0.75 - 0.80)		
Dielectric	1000 V plus twice rated voltage for 1 minute		

MECHANICAL	
Mold Stress Relief	70°C for 7 hours
Knockout Test	Remains in place with 20 lb push
Crush	100 lb
Impact	1.2 lb steel ball dropped from 5 ft
Cold Impact	Same as above, after conditioning to -35°C
Strength of Insulating Base and Support	110% of specified tightening torque on terminal screws
Pullout	18 lb pull on internal wires

ENVIRONMENTAL	
Flammability	V2 or better per UL 94 or CSA 22.2 No 0.6; V-0 for watertight enclosure
Rain (3R) per UL 50	Water spray @ 5 psi from all sides for 1 hr
Hosedown (4X) per UL 50	Water spray @ 65 gal/min for 5 minutes
Dust (12K) per UL 50	Cement Dust Circulated @ 1000 ft/minute for 5 minutes
Gasket Aging	70°C for 168 hours
UV Resistance	Exposed plastic materials are UV stabilized
Operating Temperature	-40°C to +60°C (-40°F to +140°F)

VOLTS	MAX. HP RATINGS PER UL508 NON-FUSED SAFETY DISCONNECT SWITCHES		
	DS30-AX	DS60-AX	DS100-AX
120V AC	1	2	5
208V AC	5	20	25
240V AC	2.5	10	15
480V AC	5	20	25
600V AC	NA	20	20
3Ø Y120/208V AC	5	20	25
3Ø 240V AC	5	20	30
3Ø 480V AC	15	40	50
3Ø 600V AC	15	40	50

VOLTS°	MAX. HP RATINGS PER UL508 FUSED SAFETY DISCONNECT SWITCHES	
	DS30-FAX	DS60-FAX
120V AC	2	NR
208V AC	7.5	15
240V AC	3	NR
480V AC	15	NR
600V AC	20	NR
3Ø Y 120/208V AC	7.5	15
3Ø 240V AC	7.5	15
3Ø 480V AC	15	30
3Ø 600V AC	20	50

NR = Not Rated NA = Not Available

Industrial Grade

AC Key Lock Power Switches



1221-2KL



Back and Side Wired Key Lock Power Switches 20 AMP 120/277V AC

DESCRIPTION	CAT. NO.
Single-Pole Key Lock Power Switch, 2 keys provided	1221-2KL
Double-Pole Key Lock Power Switch, 2 keys provided	1222-2KL
3-Way Key Lock Power Switch, 2 keys provided	1223-2KL
4-Way Key Lock Power Switch, 2 keys provided	1224-2KL
Replacement Keys, 2 per pack	2KL
Single-Gang Type-302 Stainless Steel Wallplate, with spanner screws and spanner tool	84071-40

Two
Keys per
Switch



FD Box
Recommended
for Mounting
Key Lock Power
Switches —
Shown with
84071-40 Type
302 Stainless
Steel Wallplate

FD Box with a minimum internal depth of 2 1/2" (63.5 mm) is recommended for mounting Key Lock Power Switches — shallow wall box extender (Cat. No. 6197) available.
Key Lock Power Switches are not recommended for use on Master or Emergency Power Systems.

SPECIFICATIONS & FEATURES

- Key-operated locking mechanism for maximum tamper-proof operation in schools, institutions, public housing, trailer parks, loading docks, freight yards and other areas
- Chrome lock dome with 2 keys provided per switch
- Back and side wire terminals accept up to #14 – #10 AWG copper or copper clad wire
- Large, slotted terminal screws with clamp-type back-wire terminals
- Triple-combination mounting screws for fast, easy installation
- Heavy-gauge rust-resistant mounting strap with steel grounding screw and self-grounding clip (self grounding when used in a properly grounded metal wallbox)
- Key removable in ON or OFF positions

TESTING & CODE COMPLIANCE

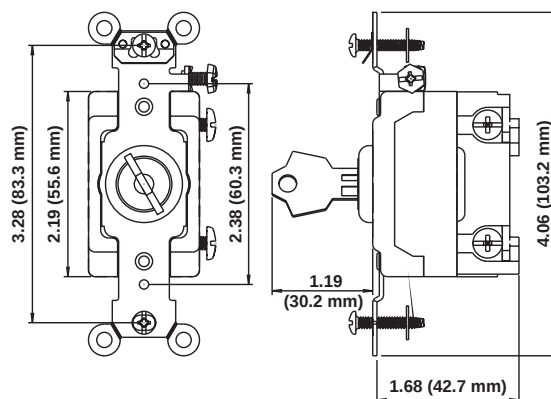
- Meets NEMA WD-1, WD-6 & ANSI requirements
- Meets Federal Specifications WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Backed by a Limited Ten-Year Warranty

HORSEPOWER

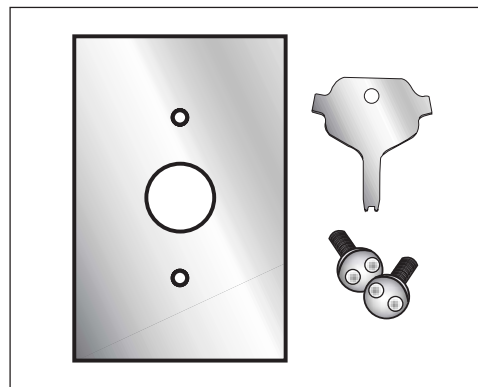
15A	20A
1/2 @ 120V	1 @ 120V
2 @ 240V	2 @ 240V
12 Amp Max.	16 Amp Max.

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C



FOR ALL KEY LOCK POWER TYPE SWITCHES



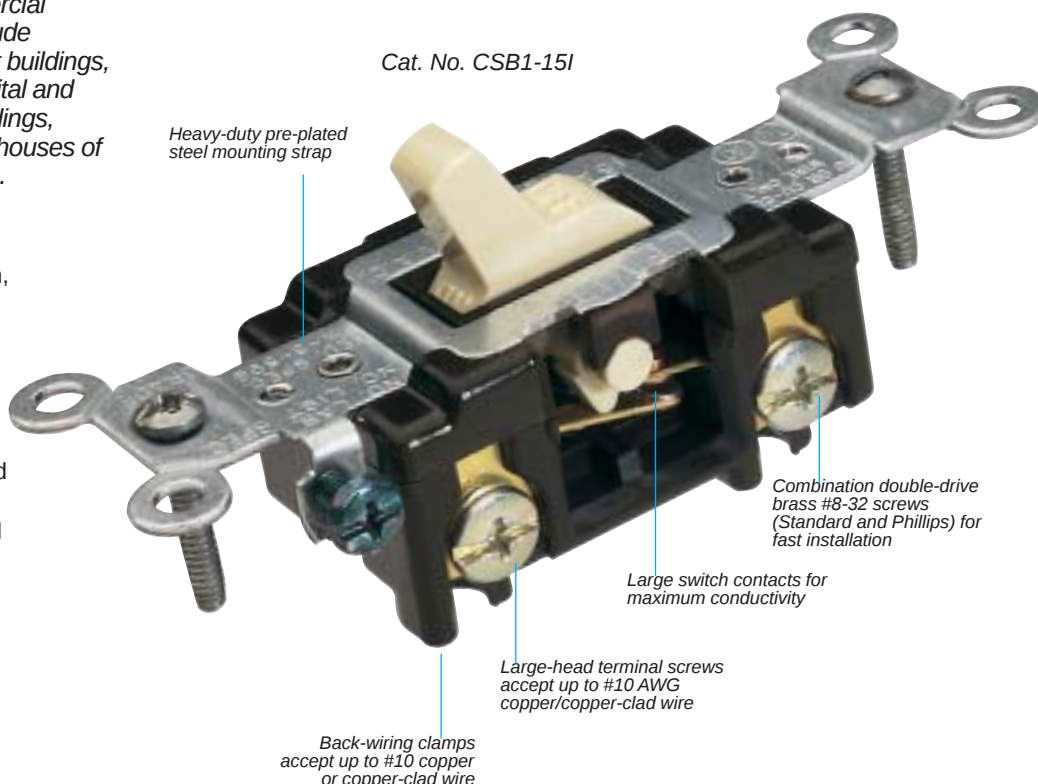
Cat. No. 84071-40 w/Spanner Screws & Spanner Tool

Commercial Grade AC Quiet Switches

These Commercial Grade switches are designed to offer outstanding reliability and top performance in commercial settings. Ideal applications include municipal facilities, government buildings, malls, department stores, hospital and health care facilities, office buildings, schools, colleges, universities, houses of worship and cultural institutions.

Features and Benefits

- Listed UL Federal Specification, WS-896
- Heavy-duty pre-plated steel mounting strap for maximum strength
- All screws are combination-head for fast installation with Standard and Phillips head screwdrivers
- Both back- and side-wired and side-wired versions accept up to #10 AWG stranded copper or copper-clad conductors for maximum versatility
- Backed by a Limited 10-Year Warranty



High-Quality, Long Life Switches for Commercial Applications

Back and Side Wired



Rugged, high-quality, performer.

Cat. No. CSB1-15W

Framed Toggle



For neater finished appearance.

Cat. No. 54501-2

Lighted Toggle



Lights up when power is off, easy to locate in darkened rooms.

Cat. No. 5501-LHI

Side Wired



Sturdy, rugged, cost effective.

Cat. No. CS315-2

Hospital Call Switch



Designed for demanding health-care applications.

Cat. No. 5501-8

Canadian 347V AC



Available in single-pole, double-pole, 3-way, 4-way.

Cat. No. 18201-CW

Commercial Grade

AC Quiet Switches



CS120-2



54501-21

SPECIFICATIONS & FEATURES

- Large head double-drive combination screws (Standard, Phillips) for fast wiring
- Heavy-gauge, rust-resistant steel mounting strap
- Accept up to #10 copper or copper-clad wire
- Convenient break-off plaster ears for best alignment
- Large switch contacts for maximum conductivity
- See section T for more technical information

TESTING & CODE COMPLIANCE

- UL Listed to meet the latest Federal Specification, WS-896 (File #E-748)
- Meets all requirements for NEMA WD-1, ANSI
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Almond (-A), Black (-E).

**CANADIAN COLOR

For color selection, add suffix to catalog number as follows: Ivory (-I), White (-W), Brown (-B), and Gray (-G).

HORSEPOWER

15A	20A
1/2 @ 120V	1 @ 120V
2 @ 240V	2 @ 240V

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Back and Side Wired 120/277V AC Quiet Switches

DESCRIPTION	15 AMP	20 AMP	COLOR*
Single-Pole Toggle	CSB1-15	CSB1-20	15A & 20A: I, W, GY, A
Double-Pole Toggle	CSB2-15	CSB2-20	15A: I, W, GY 20A: I, W, GY, A
3-Way Toggle	CSB3-15	CSB3-20	15A & 20A: I, W, GY, A
4-Way Toggle	CSB4-15	CSB4-20	15A: I, W, A 20A: I, W, GY, A

Side Wired 120/277V AC Quiet Switches

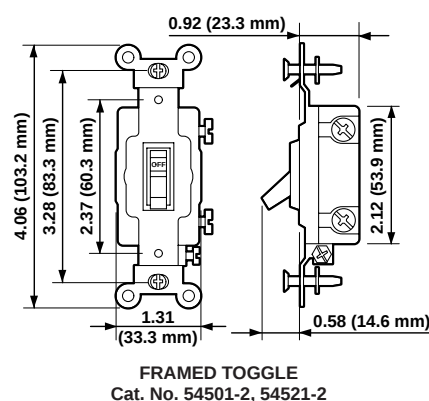
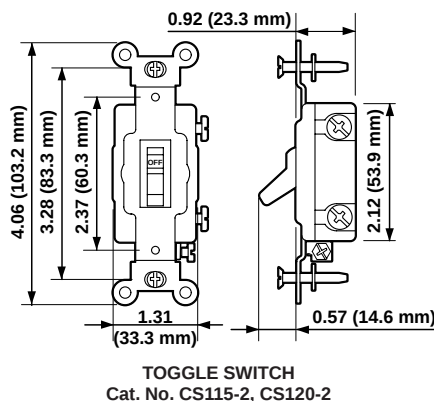
DESCRIPTION	15 AMP	20 AMP	COLOR*
Single-Pole Toggle	CS115-2	CS120-2*	15A & 20A: I, W, GY, A
Single-Pole Hospital Call Switch†	5501-8	—	15A: Ivory Only
Double-Pole Toggle	CS215-2	CS220-2	15A: I, W, GY 20A: I, W, GY, A, E
Double-Pole Hospital Call Switch†	5502-8	—	15A: Ivory Only
3-Way Toggle	CS315-2	CS320-2	15A: I, W, GY, A 20A: I, W, GY, A, E
4-Way Toggle	CS415-2	CS420-2	15A: I, W, GY, A 20A: I, W, GY, A, E
Single-Pole, Framed Toggle	54501-2	54521-2	15A & 20A: I, W, GY
Double-Pole, Framed Toggle	54502-2	54522-2	15A: I, W 20A: I, W, GY
3-Way, Framed Toggle	54503-2	54523-2	15A & 20A: I, W, GY
4-Way, Framed Toggle	54504-2	54524-2	15A: I, W, GY, A 20A: I, W, GY

†Hospital Call Switches turn on when toggle is pulled down; have 3-foot braided cord.

Note: Cat. No. 54501-2 series is identified in Canada by the following catalog numbers:

Side Wired Canadian 120/277V AC Quiet Switches

DESCRIPTION	15 AMP	20 AMP	COLOR**
Single-Pole, Framed Toggle	1101-C	54521-2	20A: I, W, B, G
Double-Pole, Framed Toggle	1102-C	54522-2	20A: I, W, B, G
3-Way, Framed Toggle	1103-C	54523-2	20A: I, W, B, G
4-Way, Framed Toggle	1104-C	54524-2	20A: I, W, B, G



Commercial Grade

AC Quiet Switches

Side Wired Lighted Toggle 15 AMP 120V AC Only

DESCRIPTION	CAT. NO.	COLOR*
Single-Pole Lighted Toggle	5501-LH	15A: I, W
3-Way Lighted Toggle	5503-LH	15A: I, W

Surface Mounting, Bottom Wired 10 AMP 125V 5 AMP 250V Framed Toggle

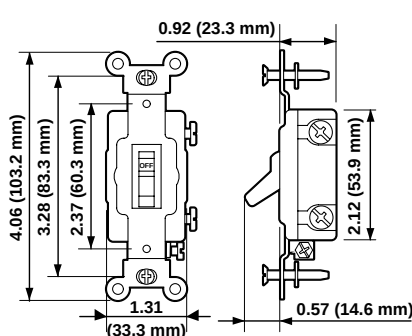
DESCRIPTION	CAT. NO.	COLOR*
Single-Pole, Surface Mounting, Framed Toggle	1210	I, W

• Slotted phenolic or urea cover snaps in place
• Wood screw furnished for surface mounting

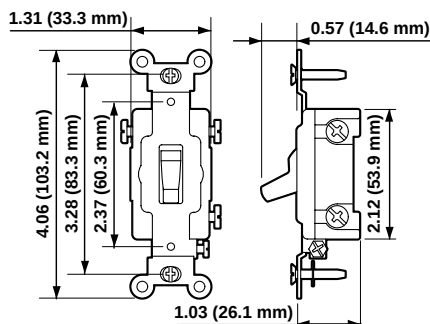
Side Wired Canadian 15 AMP 347V AC

DESCRIPTION	CAT. NO.	COLOR**
Single-Pole, Framed Toggle	18201-C	15A: I, W, B, G
Double-Pole, Framed Toggle	18202-C	15A: I, W, B, G
3-Way, Framed Toggle	18203-C	15A: I, W, B, G
4-Way, Framed Toggle	18204-C	15A: I, W, B, G

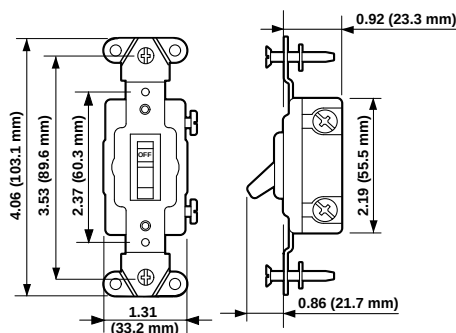
All devices are UL Listed and CSA Certified.



LIGHTED TOGGLE
Cat. No. 5501-LH



3-WAY LIGHTED TOGGLE
Cat. No. 5503-LHW



CANADIAN 347V
Cat. No. 18201-C

SPECIFICATIONS & FEATURES

- Quiet, reliable mechanical action
- Large head double-drive combination screws (Standard, Phillips) for fast wiring installation
- Accept up to #10 copper or copper-clad wire
- Large switch contacts for maximum conductivity
- See section T for more technical information

TESTING & CODE COMPLIANCE

- UL listed to meet the latest Federal Specification, WS-896 (File #E-748)
- Meets all requirements for NEMA WD-1, ANSI
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color except for Lighted Toggle Switches. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W).

**CANADIAN COLOR

For color selection, add suffix to catalog number as follows: Ivory (-I), White (-W), Brown (-B), and Gray (-G)

HORSEPOWER

15A
1/2 @ 120V
2 @ 240V
2 @ 347V

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Residential Grade AC Quiet Switches



1451-I



1461-LHC

Quickwire and Side Wired Framed Toggle 15 AMP 120V AC Quiet Switches

DESCRIPTION	CAT. NO.	COLOR*
Basic Cat. No. Denotes Brown		
Single-Pole	1451	15A: I, W
3-Way	1453	15A: I, W
Single-Pole with grounding screw	1451-2	15A: I, W, A, E
3-Way with grounding screw	1453-2	15A: I, W, A, E
4-Way with grounding screw	54504-2	15A: I, W, A
Single-Pole, less ears with grounding screw	1451-4	15A: I, W
3-Way, less ears with grounding screw	1453-4	15A: I, W

Note: Available in Convenience Packs.

Quickwire and Side Wired Illuminated Toggle 15 AMP 120V AC

DESCRIPTION	CAT. NO.	COLOR*
Single-Pole Illuminated	1461-LHC	Clear Toggle
3-Way Illuminated	1463-LHC	Clear Toggle

Note: Illuminated switches do not require a neutral wire.

CO/ALR Side Wired Framed Toggle

15 AMP 120V AC



DESCRIPTION	CAT. NO.	COLOR*
Basic Cat. No. Denotes Brown		
Single-Pole with grounding screw	2651-2	15A: I, W
3-Way with grounding screw	2653-2	15A: I, W

Note: CO/ALR devices are for connection to 12 or 10 AWG aluminum conductors. All devices are UL Listed and CSA Certified.

SPECIFICATIONS & FEATURES

- Faster installation with combination of side wiring and Quickwire push-in wiring
- Quickwire accepts conductors up to #12 AWG; #14 AWG in Canada
- Side wire accepts conductors up to #12 AWG
- Large head triple-drive combination screws (Standard, Phillips, Robertson) for fast wiring installation
- Impact-resistant, durable thermoplastic toggle and frame
- See [section T](#) for more technical information

TESTING & CODE COMPLIANCE

- UL Listed (File # E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Almond (-A), Black/Ebony (-E), Clear Toggle & Frame (-LHC)

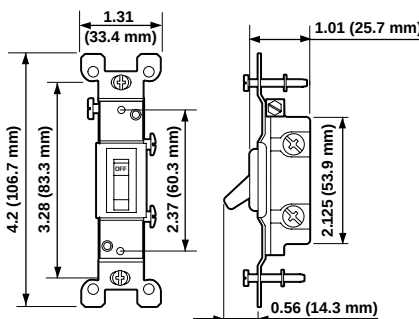
HORSEPOWER

15A
1/2 @ 120V
2 @ 240V

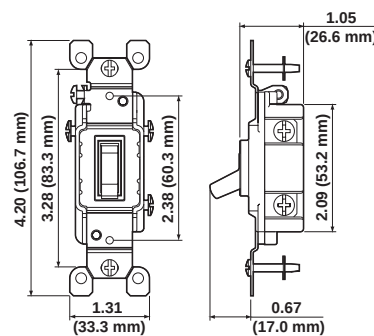
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, [section G](#).



QUICKWIRE PUSH-IN & SIDE WIRED
Cat. Nos. 1451-2



3-WAY QUICKWIRE PUSH-IN & SIDE WIRED
Cat. No. 1452-2