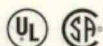


AC Switches

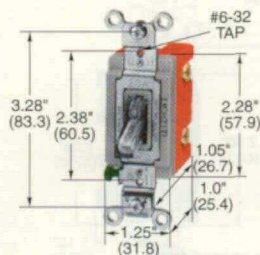
15, 20 and 30 Ampere, 120-277 Volts AC

Industrial – Institutional, Heavy Duty Specification Grade

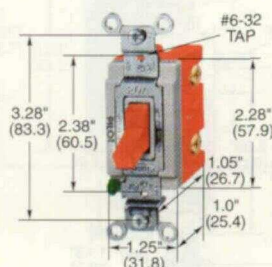
Toggle Type Lighted and Pilot Light AC Switches with Ground Screw

**Specification Grade, Lighted and Pilot Light Toggle Switches, Back and Side Wired****Lighted Toggle (light on with load off)**

Rating	Description	Catalog Numbers		
		Single Pole	Double Pole	Three Way
15A 120-277V AC	Ivory nylon toggle.	HBL1201IL	–	HBL1203IL
20A 120-277V AC	Ivory nylon toggle.	HBL1221IL	–	HBL1223IL
20A 120-277V AC	Clear polycarbonate toggle.	HBL1221ILC	–	HBL1223ILC

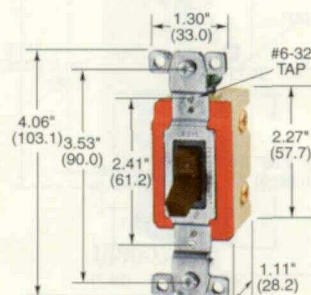
**HBL1221ILC****Pilot Light (light on with load on)**

Rating	Description	Catalog Numbers		
		Single Pole	Double Pole	Three Way
15A 120-277V AC	Red polycarbonate toggle.	HBL1201PL	–	HBL1203PL
20A 120-277V AC	Red polycarbonate toggle.	HBL1221PL	HBL1222PL	HBL1223PL
20A 120-277V AC	Clear polycarbonate toggle.	HBL1221PLC	–	HBL1223PLC
20A 120-277V AC	Green polycarbonate toggle.	HBL1221PLG	–	–
30A 120-277V AC	Red polycarbonate toggle.	HBL3031PL	HBL3032PL	–

**HBL1221PL****15A, 347V AC**

only

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Brown nylon toggle.	HBL18201CN	–	HBL18203CN	–
Ivory nylon toggle.	HBL18201ICN	–	HBL18203ICN	HBL18204ICN
Lock type.	HBL18201LCN	–	HBL18203LCN	–
Key for lock switches.	HBL1209			

**HBL18221CN****20A, 347V AC**

only

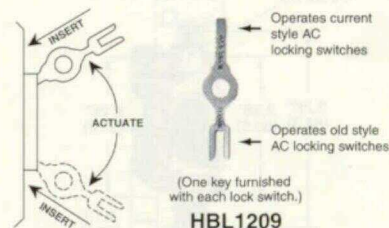
Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Brown nylon toggle.	HBL18221CN	–	HBL18223CN	–
Ivory nylon toggle.	HBL18221ICN	–	HBL18223ICN	–

Notes: Keys are supplied with each lock switch. For extra keys order HBL1209.

For technical data see page C-25.

See Section K for wallplates. For accessories see pages C-22 to C-24.

See pages C-28 and C-29 for wiring diagrams.

**HP Conversion Chart**

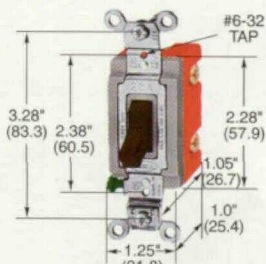
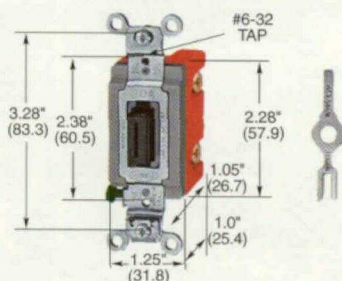
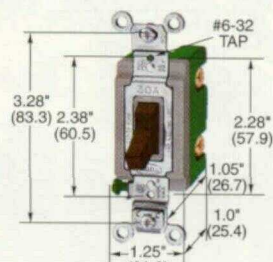
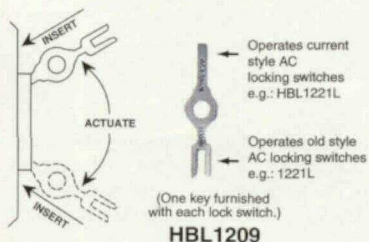
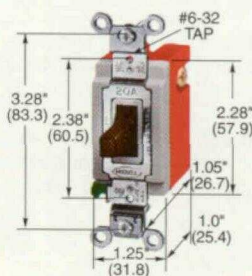
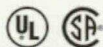
	120V	240V
15A	1 HP	2HP
20A	1½ HP	2HP
30A	2 HP	2HP

AC Switches

15, 20 and 30 Ampere, 120-277 Volts AC

Industrial – Institutional, Heavy Duty Specification Grade

Toggle and Lock Type AC Switches with Ground Screw

**HBL1221****HBL1221L and Key****HBL3031****HBL1209****HBL1557****Specification Grade AC Switches, Back and Side Wired****15A, 120-277V AC**

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Brown nylon toggle.	HBL1201	HBL1202	HBL1203	HBL1204
Ivory nylon toggle.	HBL1201I	HBL1202I	HBL1203I	HBL1204I
Gray nylon toggle.	HBL1201GY	–	HBL1203GY	HBL1204GY
White nylon toggle.	HBL1201W	–	–	–
Red nylon toggle.	HBL1201R	–	–	–
Lock type.	HBL1201L	HBL1202L	HBL1203L	HBL1204L
Key for lock switches.	HBL1209			

20A, 120-277V AC

Description	Catalog Numbers			
	Single Pole	Double Pole	Three Way	Four Way
Brown nylon toggle.	HBL1221	HBL1222	HBL1223	HBL1224
Ivory nylon toggle.	HBL1221I	HBL1222I	HBL1223I	HBL1224I
Gray nylon toggle.	HBL1221GY	HBL1222GY	HBL1223GY	HBL1224GY
White nylon toggle.	HBL1221W	HBL1222W	HBL1223W	HBL1224W
Red nylon toggle.	HBL1221R	HBL1222R	HBL1223R	HBL1224R
Black nylon toggle.	HBL1221BK	–	HBL1223BK	HBL1224BK
Lock type.	HBL1221L	HBL1222L	HBL1223L	HBL1224L
Key for lock switches.	HBL1209			

30A, 120-277V AC

Description	Catalog Numbers		
	Single Pole	Double Pole	Three Way
Brown nylon toggle.	HBL3031	HBL3032	HBL3033
Ivory nylon toggle.	HBL3031I	HBL3032I	HBL3033I

Momentary Contact, Specification Grade, Back and Side Wired Three Position, Two Circuit, Center Off

Description	Catalog Numbers	
	15A, 120-277V AC	20A, 120-277V AC
Brown nylon toggle.	HBL1556	HBL1557
Ivory nylon toggle.	HBL1556I	HBL1557I
Gray nylon toggle.	HBL1556GY	HBL1557GY
White nylon toggle.	–	HBL1557W
Lock type.	HBL1556L	HBL1557L
Key for lock switches.	HBL1209	

Notes: Keys are supplied with each lock switch. For extra keys order HBL1209.

For technical data see page C-25.

See Section K for wall plates. For accessories see pages C-22–C-24.

See pages C-28 and C-29 for wiring diagrams.

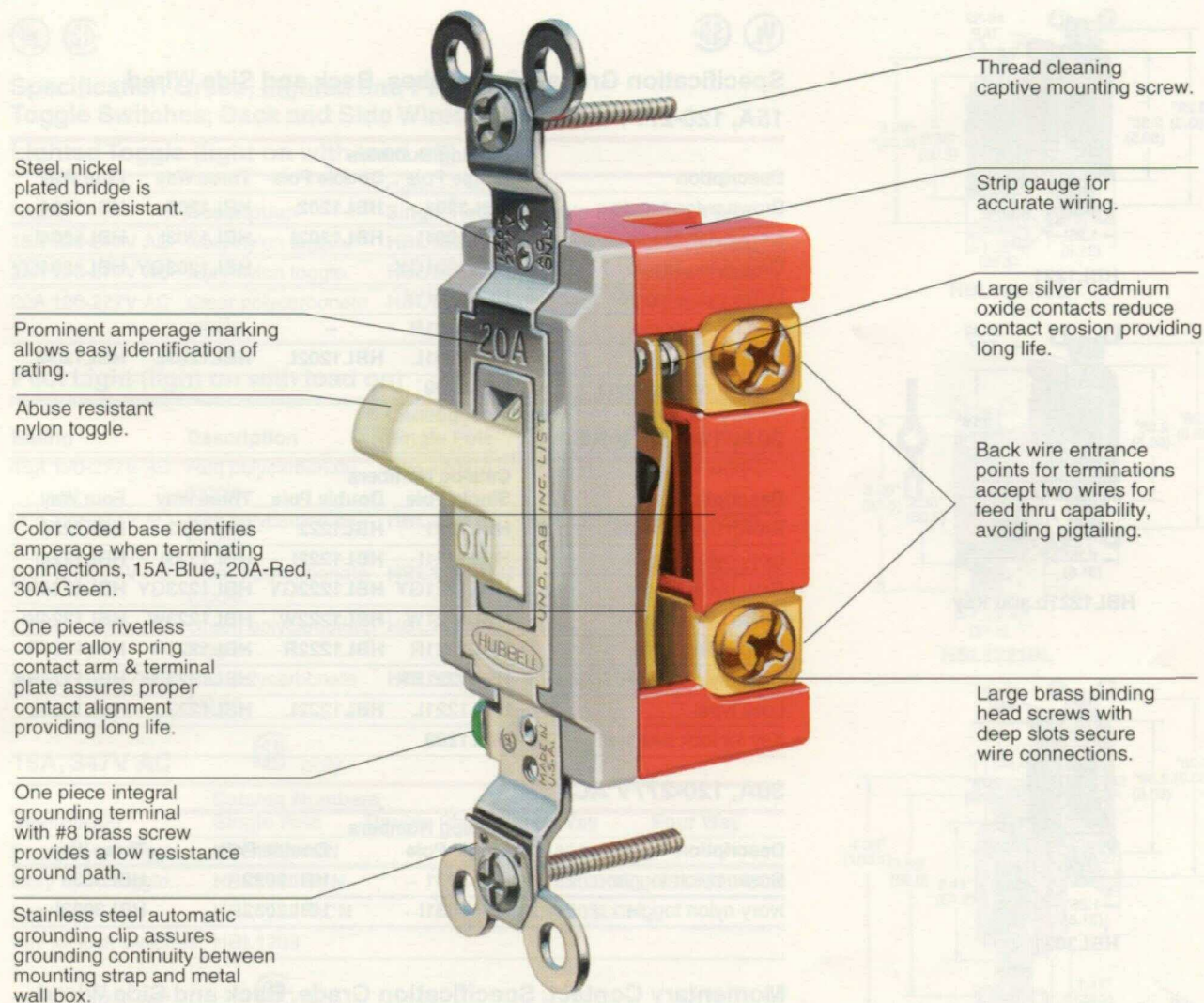
HP Conversion Chart

	120V	240V
15A	1 HP	2HP
20A	1½ HP	2HP
30A	2HP	2HP

AC Toggle Switches

Industrial/Institutional - Heavy Duty

Features and Benefits



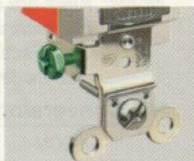
One piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise. Large silver cadmium oxide contacts reduce contact erosion and prevent welding, providing long life.



Thermoplastic rubber rocker assures precise alignment of carbon steel coil compression spring. Permanently lubricated assembly provides long life and trouble free operation.



Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments.



One piece integral grounding terminal with #8 brass screw allows compliance to NEC® Article 380-12. Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box. Steel nickel plated mounting strap provides a corrosion resistant finish.

AC Switches

Technical Information

Industrial Heavy Duty Specification Grade Switches

SP, DP, 3-Way, 4-Way**Specifications**

Listings	Component	Material
UL Listed	Base	Material Thermoset, Color Coded by Amperage
CSA Certified	Top	Thermoset, Gray
Listed to Fed. Spec. W-S-896E,	Toggle	Nylon ‡
SP, DP, 3-way and 4-way	Terminals	Brass
	Terminal Screws	Brass
	Mounting Bridge	Nickel Plated Steel
	Contacts	Silver Cadmium Oxide
	Moveable Contact Arm	Brass
	Rocker	Thermoplastic rubber
	Ground Terminal	Nickel-Plated Steel
	Ground Screw	Brass
	Automatic Grounding Clip	Stainless Steel

Performance Data**Electrical**

Dielectric Voltage	Withstands 1500V AC minimum.
Max. Working Voltage	277V AC
Overload	Minimum 4.8 times rated current for 100 cycles.
Temperature Rise	30° C maximum at rated current.
Max. Continuous Current	15A, 20A, 30A.
Endurance	50,000 cycles min., tungsten filament lamp load (Fed. Spec.) #WS896E, SP, DP, 3-way and 4-way.

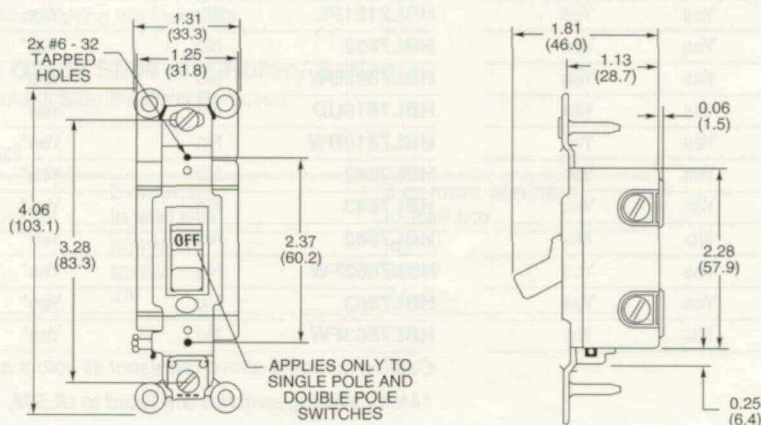
Mechanical

Terminal Accommodations	#14 AWG min. - #10 AWG max. solid and stranded wire.
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Environmental

Flammability	UL 94V-2.
Operating Temperature	Max. continuous: 75° C; Min. continuous: -40° C w/o impact.

‡ Pilot light and lighted clear toggles are polycarbonate.

**SP, DP, 3-Way, 4-Way Switches**