

A **Safety-First** Priority



Hubbell's Circuit-Lock® Manual Motor Controllers

"Suitable as Motor Disconnects"



Hubbell manufactures one of the most complete lines of motor disconnects on the market. Designed to ensure maximum reliability and performance, Hubbell Circuit-Lock® motor controllers meet or exceed all industry requirements. Because our Circuit-Lock® motor controllers are also disconnects, they ensure safety, compliance, flexibility and productivity for today's industrial and commercial environments. Whether controlling motor loads, safely terminating power or isolating equipment, Hubbell has the solution for you—no matter what the environment or application.



Hubbell Safety

Safety of personnel and equipment is paramount in any manufacturing environment. Hubbell Circuit-Lock® motor controllers withstand short circuits and provide a high degree of safety across the factory floor. Disconnect Switches for Variable Frequency Drives (VFDs) safely terminate power to prevent risk of injury and damage to high-performance output devices used for controlling today's conveyor systems.

Hubbell Flexibility

With Hubbell's wide range of Circuit-Lock® motor controllers and disconnects that offer several mounting options, NEC® line of sight requirements are easily achieved at the equipment or on the wall in virtually any industrial environment. Switches with a compact footprint, a variety of NEMA® type enclosures and plug-and-play LINKOSITY® make switch placement easier and more flexible than ever.



Hubbell Compliance

Compliance with codes and regulations is a must in any industrial environment. Hubbell motor controllers meet a variety of requirements, including OSHA lockout/tagout, NSF certification for hygiene and hazardous location ratings. Each Circuit-Lock® motor controller is UL listed as "Suitable as Motor Disconnect". The NEC® allows for the disconnect and controller to be in one unit.

Hubbell Productivity

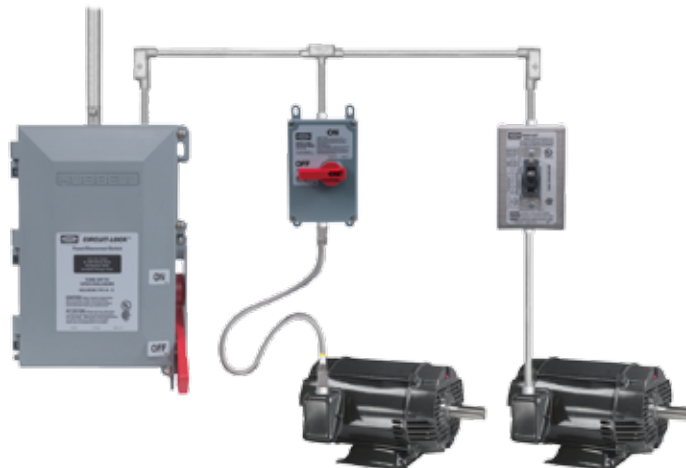
Circuit-Lock® keeps assembly lines, goods and services moving. By offering a dual motor controller-disconnect rating, power can be safely terminated at any point in the circuit to perform maintenance on a single motor without shutting down the entire line. With the plug-and-play LINKOSITY® power system, MotorQuick® reduces motor change-out time by more than 65% to get equipment up and running faster.



Variable Frequency Disconnects



Each Controller is Also a Disconnect



NEC® is a registered trademark of the National Fire Protection Association (NFPA).
NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Circuit-Lock® Non-Metallic Disconnect Switches, MotorQuick® and VFDs



Non-metallic disconnect switches control motor loads in wet or corrosive environments, while MotorQuick® provides faster motor change-outs and VFD switches reduce equipment damage and stress on electrical systems.

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| Fused and Unfused Non-Metallic Disconnect Switches | Page 4 |
| MotorQuick® and VFD Switches | Page 5 |

Stainless Steel, Hazardous Location Disconnects and Mechanical Interlocks



Stainless steel disconnect switched enclosures are ideal for withstanding harsh environments, while hazardous location disconnects prevent explosion hazards where flammable gases and combustible particles are present.

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| NEMA 4X Stainless Steel Disconnect Switches | Page 6 |
| Hazardous Location Disconnects and Mechanical Interlocks. | Page 7 |

IEC and Insulgrip® Pin and Sleeve; Twist-Lock® Mechanical Interlocks



Hubbell's line of mechanical interlocks provide a horsepower rated receptacle and a means of disconnect for a variety of portable equipment, while eliminating the possibility of making lazy connections or breaking circuits under load.

| | |
|--|--------|
| IEC and Insulgrip® Pin and Sleeve Mechanical Interlocks. | Page 8 |
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600V AC Manual Motor Controllers/Disconnects and Enclosures



Motor loads in industrial environments are easily disconnected with Hubbell's complete line of AC manual motor controllers/disconnects, available in a wide variety of enclosure types including NEMA® 1, 3R or 4X.

| | |
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NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Circuit-Lock® Non-Metallic Disconnect Switches

"Suitable as Motor Disconnects"

Hubbell Circuit-Lock® Non-Metallic Disconnect Switches comply with both the controller and disconnect requirements of the NEC®, making them ideal for meeting line-of-sight requirements in a variety of industrial environments. They feature a high visibility red handle that can be locked in the "OFF" position to comply with OSHA lockout/tagout regulations. For maximum reliability, the external stainless steel hardware and rugged enclosure resist abuse and corrosion, while a neoprene gasket ensures a watertight seal.

- Heavy duty, corrosion resistant Type 4X Valox® enclosure
- Superior safety—switches can only be turned ON with the cover closed
- Easy installation with adjustable mounting feet and fully removable covers
- Fused disconnect switches accept Class "J" fuses
- Unfused units are NSF Certified



FDS30



HBLDS3



FDS60



HBLACFSNO



HBLDS3



HBLAC1



HBLAC2

Fused Disconnect Switches

3 Pole 600V AC

| Amp | Description | Catalog Number |
|-----|--|------------------|
| 30 | Circuit-Lock fused disconnect switch. | FDS30* |
| 60 | Circuit-Lock fused disconnect switch. | FDS60* |
| | Auxiliary contact, normally open, A600 pilot duty. | HBLACFSNO |
| | Auxiliary contact, normally closed, A600 pilot duty. | HBLACFSNC |

Unfused Disconnect Switches in Non-Metallic Enclosure**

3 Pole 600V AC

| Amp | Description | Catalog Number |
|-----|--|--------------------|
| | Circuit-Lock disconnect switch. | HBLDS3 |
| | Circuit-Lock disconnect switch with HBLAC1 auxiliary contact. | HBLDS3AC |
| | Circuit-Lock disconnect switch with HBLAC2 auxiliary contact. | HBLDS3AC2 |
| | Circuit-Lock disconnect switch without conduit knockout or conduit fitting. | HBLDS3NK |
| 30 | Circuit-Lock disconnect switch with HBLAC1 auxiliary contact without conduit knockout or conduit fitting. | HBLDS3ACNK |
| | Circuit-Lock disconnect switch with 3 auxiliary contacts, w/o conduit knockouts. Break before main break – 1 set "normally open", 1 set "normally closed". Break after main break – 2 sets "normally open", 1 set "normally closed". | HBLDS33ACNK |
| 60 | Circuit-Lock disconnect switch. | HBLDS6 |
| | Circuit-Lock disconnect switch with HBLAC1 auxiliary contact. | HBLDS6AC |
| 100 | Circuit-Lock disconnect switch. | HBLDS10 |
| | Circuit-Lock disconnect switch with HBLAC1 auxiliary contact. | HBLDS10AC |
| | "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | HBLAC1 |
| | "Break Before Main Break", 1 set of n/o contacts. | HBLAC2 |

Note: *Class "J" fuses not included.

**Certified by NSF, International.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



Wiring Device-Kellems

MotorQuick® and Variable Frequency Drive (VFD) Switch

Plug and Play Technology

MotorQuick® combines the plug-and-play technology of Hubbell's LINKOSITY® power system with the versatility of Circuit-Lock® motor disconnect switches to drastically reduce the time it takes to replace motors. These quick disconnect switches feature lockable handles to meet OSHA lockout/tagout regulations and include pre-wired LINKOSITY receptacles to meet a variety of application needs. The quick disconnect LINKOSITY terminations, combined with the ability to conveniently pre-wire spare motors with a LINKOSITY inlet without shutting down the entire line, reduces motor change-out time by more than 65%. The result is equipment up and running in a fraction of the time providing productivity and bottom-line savings.

- Plug and play design allows for faster installation
- Reduces motor change-out time by more than 65%
- Crush and impact resistant MC cables



Quick Disconnect Switches

30A 3 Pole 600V AC

| Type 1 Non-Metallic Enclosure | Catalog Number |
|--|--------------------|
| HBL1389D with one pre-wired LINKOSITY® female receptacle (load side). | HBL1389MQR |
| HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side). | HBL1389MQ5 |
| HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | HBL1389MQR2 |
| Type 4X Non-Metallic Enclosure | Catalog Number |
| HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side). | HBLDS3MQR |
| HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side). | HBLDS3MQ5 |
| HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | HBLDS3MQR2 |

Note: See page 6 for stainless steel option.



Accessories

| Description | Catalog Number |
|--|---------------------|
| 3P 4W LINKOSITY® male receptacle for installation on motor. | RM3004PA001 |
| 3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable. | PH3004PAxxx* |
| Lock-on cover for LINKOSITY® connections. | PH2030C |

Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the xxx with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA015** = 15 foot cable.)

Hubbell's Disconnect Switch for Variable Frequency Drives (VFDs) prevents downtime from out-of-sequence equipment shutdowns when using VFDs, the most common method of controlling conveyor system motors. The HBLDS3VFD integrates an early-break auxiliary contact installed in the HBLDS3 30 Amp disconnect switch enclosure. The contact interfaces directly with VFDs to execute a coast-to-stop, preventing damage to the disconnect switch and high-performance VFD output devices.

- Thoroughly tested for effective use with VFDs
- Powers down the drive prior to opening the motor disconnect
- Prevents damage to the disconnect switch and the VFD



Unfused Disconnect Switches

30A 3 Pole 600V AC

| Description | Catalog Number |
|---|--------------------|
| Non-Metallic enclosure, Circuit-Lock disconnect switch for use with variable frequency drives. | HBLDS3VFD |
| Stainless Steel enclosure, Circuit-Lock disconnect switch for use with variable frequency drives. | HBLDS3SSVFD |



Disconnect Switches in Stainless Steel Enclosure

"Suitable as Motor Disconnects"



Hubbell's stainless steel disconnect switch has been certified by NSF International for hygiene applications in food and beverage processing. These switched enclosures are designed for harsh environments to withstand exposure to water, chemicals, oils and frequent wash-downs. They feature 304 Series Stainless Steel and are UL listed Type 4X and 12 with a high visibility red handle that can be locked in the "OFF" position for compliance with OSHA lockout/tagout regulations. The DIN-rail mounted switch accommodates up to two auxiliary contacts for control circuit applications.

- Certified by NSF for hygiene in food processing applications
- Cover is embossed with ON and OFF
- Compact footprint
- MotorQuick® option (30A only)
- Increased depth accommodates up to 1½" size conduits



HBLDS3SS

HBLDS6SS



HBLDS3SSMQR



HBLAC1

HBLAC2

Unfused Disconnect Switches in Stainless Steel Enclosure

3 Pole 600V AC

| Amp | Description | Catalog Number |
|-----|--|--------------------|
| | Circuit-Lock disconnect switch. | HBLDS3SS |
| 30 | Circuit-Lock disconnect switch with HBLAC1 auxiliary contact. | HBLDS3SSAC |
| | Circuit-Lock disconnect switch for use with variable frequency drives. | HBLDS3SSVFD |
| | Circuit-Lock disconnect switch. | HBLDS6SS |
| 60 | Circuit-Lock disconnect switch with HBLAC1 auxiliary contact. | HBLDS6SSAC |
| | Circuit-Lock disconnect switch. | HBLDS10SS |
| 100 | Circuit-Lock disconnect switch with HBLAC1 auxiliary contact. | HBLDS10SSAC |

MotorQuick® Unfused Disconnect Switches in Stainless Steel Enclosures

3 Pole 600V AC

| Amp | Description | Catalog Number |
|-----|--|---------------------|
| | HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side). | HBLDS3SSMQR |
| 30 | HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side). | HBLDS3SSMQ5 |
| | HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | HBLDS3SSMQR2 |

Accessories

| Description | Catalog Number |
|---|----------------|
| "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | HBLAC1 |
| "Break Before Main Break", 1 set of n/o contacts. | HBLAC2 |



Wiring Device-Kellems

Hazardous Location Unfused Disconnect Switches, Mechanical Interlocks and Plugs



Heavy Duty Industrial Environments

Hubbell's hazardous location unfused disconnect and mechanical interlock switches are ideal for applications with the presence of flammable gases or vapors, or ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash-downs, heavy rain or water spray routinely occurs. Compact in size to reduce cost over industry standard sizes, these switches are easy to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The high visibility handles can be locked to meet OSHA lockout/tagout regulations.

- Compact size provides application flexibility and cost savings
- Fewer cover bolts reduces installation and maintenance time
- Removable ductile mounting lugs adjust to irregular mounting surfaces
- UL 98 certified switch



Class I, Div. 1 & 2, Groups B,C,D
 Class I, Zones 1 & 2, Groups IIB+ H2, IIA
 Class II, Div. 1 & 2, Groups E,F,G
 Class III
 NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)

Unfused Disconnect Switches

3 Pole 600V AC/230V DC

| Amp | Description | Catalog Number |
|-----|---|---------------------|
| 30 | Disconnect switch. | HBLB7NFD13A |
| | Disconnect switch with auxiliary contact. | HBLB7NFD13AA |
| 60 | Disconnect switch. | HBLB7NFD26A |
| | Disconnect switch with auxiliary contact. | HBLB7NFD26AA |
| 100 | Disconnect switch. | HBLB7NFD21A |
| | Disconnect switch with auxiliary contact. | HBLB7NFD21AA |



HBLB7NFD13A



HBLB7NFD26A

Hubbell hazardous location mechanical interlocks and plugs offer superior safety. The plug and switch are interlocked so that the switch cannot be turned "ON" without the plug fully inserted, and the plug cannot be removed when the switch is in the "ON" position. The switch features a copper-free aluminum construction with epoxy finish and a chemical-resistant Valox® handle mechanism.

- Plug and switch are interlocked for superior safety
- UL1686 C1 listed and fully interchangeable with other UL1686 C1 devices
- Compact size and footprint for easy placement
- NEMA 4X with receptacle lid turned shut or with plug locking ring tightened

Unfused Mechanical Interlocks and Plugs

| Amp | Poles/Wires | Voltage AC | Receptacle | Plug |
|-----|----------------|------------|-------------------|------------------|
| 30 | 3 Pole, 2 Wire | 600V AC | HBLVSQ3023 | HBLVP3385 |
| | 4 Pole, 3 Wire | 600V AC | HBLVSQ3034 | HBLVP3485 |
| 60 | 3 Pole, 2 Wire | 600V AC | HBLVSQ6023 | HBLVP6385 |
| | 4 Pole, 3 Wire | 600V AC | HBLVSQ6034 | HBLVP6485 |



HBLVSQ3034



HBLVP3485

Note: HBLVSQ Series 30A models come standard with 1" drilled and tapped conduit openings top and bottom plus two 1" x 3/4" reducers and one 3/4" close-up plug for maximum flexibility. 60A models come with one 1 1/2" opening on top and bottom and one 1 1/2" close-up plug.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Circuit-Lock® Pin and Sleeve Mechanical Interlocks

20, 30, 60 and 100 Ampere – North American Ratings,
32 Ampere – International Rating



Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell’s interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position. It features a high visibility red handle that can be locked to meet OSHA lockout/tagout regulations, and the enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X Valox® enclosure features adjustable mounting feet for flexible installation, while the receptacle’s spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.



- Mechanically interlocked to prevent mating and breaking under load
- Available in both IEC and UL1686-C1 Insulgrip® styles
- Fused disconnects accept Class "J" fuses
- Fully removable door for ease of wiring
- IEC reverse service units available for safely connecting generators



HBL420MI7W



HBL430MIF7W



HBL430MIS2W

Circuit-Lock® Pin and Sleeve Mechanical Interlocks

| Amp | Poles/Wires | Voltage AC | Unfused | Reverse Service | Fused* |
|-----|-------------------|---------------------|---------------------|----------------------|---------------------|
| 20 | 3 Pole, 4 Wire | 120/240V | HBL420MI12W | — | — |
| | | 3Ø 240V | HBL420MI9W | — | — |
| | | 3Ø 480V | HBL420MI7W | — | — |
| | 2 Pole, 3 Wire | 120V | HBL330MI4W | — | — |
| | | 240V | HBL330MI6W | — | — |
| | | 480V | HBL330MI7W | — | — |
| 30 | 3 Pole, 4 Wire | 120/240V | HBL430MI12W | — | HBL430MIF12W |
| | | 3Ø 240V | HBL430MI9W | HBL430MI9WR | HBL430MIF9W |
| | | 3Ø 480V | HBL430MI7W | HBL430MI7WR | HBL430MIF7W |
| | 4 Pole, 5 Wire | 3ØY 120/208V | HBL530MI9W | — | — |
| | | 3ØY 277/480V | HBL530MI7W | — | HBL530MIF7W |
| 32 | 3 Pole, 4 Wire | 380V 50HZ-440V 60Hz | HBL432MI3W | — | — |
| | | 120V | HBL360MI4W | — | — |
| | | 240V | HBL360MI6W | — | — |
| | 2 Pole, 3 Wire | 480V | HBL360MI7W | — | — |
| | | 120/240V | HBL460MI12W | HBL460MI12WR | HBL460MIF12W |
| | | 3Ø 240V | HBL460MI9W | HBL460MI9WR | HBL460MIF9W |
| 60 | 3 Pole, 4 Wire | 3Ø 480V | HBL460MI7W | HBL460MI7WR | HBL460MIF7W |
| | | 3ØY 120/208V | HBL560MI9W | — | HBL560MIF9W |
| | | 3ØY 277/480V | HBL560MI7W | — | — |
| | 2 Pole, 3 Wire | 240V | HBL3100MI6W | — | — |
| | | 120/240V | HBL4100MI12W | HBL4100MI12WR | — |
| | | 3Ø 240V | HBL4100MI9W | HBL4100MI9WR | — |
| 100 | 3 Pole, 4 Wire | 3Ø 480V | HBL4100MI7W | HBL4100MI7WR | — |
| | | 4 Pole, 5 Wire | 3ØY 120/208V | HBL5100MI9W | — |

Insulgrip® Mechanical Interlocks - Style II

| Amp | Poles/Wires | Voltage | Unfused | Fused* |
|-----|----------------|-----------------|--------------------|---------------------|
| 30 | 3 Pole, 4 Wire | 600V AC/250V DC | HBL430MIS2W | HBL430MIFS2W |
| 60 | 3 Pole, 4 Wire | 600V AC/250V DC | HBL460MIS2W | HBL460MIFS2W |

Note: 20A, 30A, 32A – 1 inch N.P.T. hub supplied; 60A, 100A – 1¼ inch hub supplied.
*Class "J" fuses not included.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



Twist-Lock® Mechanical Interlock Switched Safety Enclosures

Circuit-Lock® Unfused Safety Shroud® Twist-Lock®



IP66
SUITABILITY

Hubbell's Twist-Lock® Mechanical Interlock integrates an angled watertight Hubbell Safety-Shroud® Twist-Lock® receptacle with a linked disconnect switch that prevents making lazy connection or breaking the circuit while under load. The switch cannot be turned "ON" until the plug is properly inserted and locked, and the plug cannot be removed until the switch is turned "OFF". The pre-molded conduit entry hole is offset to prevent condensation from reaching interior components, while speeding installation by making it easier to pull conductors. Twist-Lock® Mechanical Interlocks offer superior flexibility—they can be used in a horizontal or vertical position, and the Type 4X corrosion-resistant enclosure allows for top, bottom or back feed options.



- Mechanically interlocked to prevent mating and breaking under load
- Switched enclosures sold separately from receptacle for custom electrical configurations
- Type 4X rated system with and without the plug inserted
- Horsepower rated switch
- Enclosure is designed for top, bottom or back feed options

Switched Safety Enclosures (Receptacles Sold Separately Listed Below)

| Description | Ratings | Catalog Number |
|---|---|----------------|
| Mechanical Interlock accommodates 20A or 30A Watertight Safety-Shroud® Twist-Lock® receptacles. | Amperage and voltage ratings will be determined by the choice of the Watertight Safety-Shroud® Twist-Lock® selected. Supplied with 3/4" N.P.T. Hub. | HBLMITL |

HBLMITL Accepts the Following Watertight Safety-Shroud® Twist-Lock® Receptacles:

| Amp | Poles/Wires | Voltage AC | NEMA Config. Ref. Number | Max. HP Rating* | Receptacle | Mating Plug | |
|-----|----------------|----------------|--------------------------|-----------------|------------------|------------------|------------------|
| 20 | 2 Pole, 3 Wire | 120 | L5-20 | 1 | HBL2310SW | HBL2311SW | |
| | | 208-240 | L6-20 | 2.5 | HBL2320SW | HBL2321SW | |
| | | 277 | L7-20 | 3 | HBL2330SW | HBL2331SW | |
| | 3 Pole, 4 Wire | 120/240 | L14-20 | 2.5 | HBL2410SW | HBL2411SW | |
| | | 240 3Ø | L15-20 | 5 (3@208V) | HBL2420SW | HBL2421SW | |
| | | 480 3Ø | L16-20 | 10 | HBL2430SW | HBL2431SW | |
| 30 | 4 Pole, 5 Wire | 120/208 3ØY | L21-20 | 3 | HBL2510SW | HBL2511SW | |
| | | 2 Pole, 3 Wire | 120 | L5-30 | 1 | HBL2610SW | HBL2611SW |
| | | | 208-240 | L6-30 | 3 | HBL2620SW | HBL2621SW |
| | 3 Pole, 4 Wire | 120/240 | L14-30 | 3 | HBL2710SW | HBL2711SW | |
| | | 240 3Ø | L15-30 | 7.5 | HBL2720SW | HBL2721SW | |
| | | 480 3Ø | L16-30 | 15 | HBL2730SW | HBL2731SW | |
| | | 600 3Ø | L17-30 | 15 | HBL2740SW | HBL2741SW | |
| | | 4 Pole, 5 Wire | 120/208 3ØY | L21-30 | 7.5 | HBL2810SW | HBL2811SW |
| | | | 277/480 | L22-30 | 7.5 | HBL2820SW | HBL2821SW |
| | | 347/600 | L23-30 | 7.5 | HBL2830SW | HBL2831SW | |

Note: *HP ratings for the final unit are determined by the HP rating of the switch, limited by the full load current capability of the receptacle at 80% of rated current, number of phases and line voltage. HP ratings listed above are AC only.

Switched Safety Enclosures (Receptacles Sold Separately**)

| Description | Ratings | Catalog Number |
|---|---|----------------|
| Switched Twist-Lock® enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle. | Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock® receptacle selected. | SETL3 |
| Switched enclosure for use with 3 pole 4 wire 30A Hubbelllock® receptacle. | Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbelllock®. | SEHBL3 |

Note: **Please see the full line catalog for a complete selection of Twist-Lock and Hubbelllock devices.



HBLMITL



HBL2320SW



HBL2321SW



SETL3



SEHBL3

600V AC Manual Motor Controllers/Disconnects

“Suitable as Motor Disconnects”



For use in nearly any industrial environment, Hubbell AC Manual Motor Controllers/Disconnects can be easily integrated into equipment and enclosures for either box or panel-mount installation. Rated “Suitable as Motor Disconnect,” they feature a quick make and slow break operation that ensures reliability and long life. Hubbell AC Manual Motor Controllers/Disconnects have a 10,000 Amp high fault short circuit withstand rating and a heat-resistant thermoset body that provides resistant to arc tracking and superior dielectric strength. The 30 Amp controller features a brass terminal screw clamping plate for secure back or side wiring, and the 60 Amp version is available with front or back wiring.

- All switches are “Suitable as a Motor Disconnect”
- Strong “ON/OFF” action with a quick make and slow break operation
- Heat-resistant thermoset body provides superior dielectric strength
- Optional side guards available for close wall applications and finger safe environments



30A, 40A and 50A



60A and 85A

600V AC Manual Motor Controllers/Disconnects



HBL7810D



HBL7853D



HBL7863D



HBLFG30

| Amp | Poles | Toggle-type | Wire | HP Rating | | | | Catalog Number |
|--|-------|-------------|-----------|---------------|---------------|---------------|---------------|----------------|
| | | | | 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | |
| 30 | 2 | Standard | Back/Side | 2 | 5 | 10 | 15 | HBL7832D |
| | 2 | Short | Back/Side | 2 | 5 | 10 | 15 | HBL7832DS |
| | 2 | Standard | Back/Side | 2 | 5 | 10 | 15 | HBL7832DX* |
| | 3 | Standard | Back/Side | 3 | 7.5 | 15 | 20 | HBL7810D |
| | 3 | Short | Back/Side | 3 | 7.5 | 15 | 20 | HBL7810DS |
| 40 | 2 | Standard | Side | 2 | 5 | 10 | 15 | HBL7842D |
| | 3 | Standard | Side | 3 | 7.5 | 15 | 20 | HBL7843D |
| 50 | 2 | Standard | Side | 2 | 5 | 10 | 15 | HBL7852D |
| | 3 | Standard | Side | 3 | 7.5 | 15 | 25 | HBL7853D |
| 60 | 2 | Standard | Back | — | 10 | 15 | 20 | HBL7862D |
| | 3 | Standard | Back | — | 10 | 25 | 30 | HBL7863D |
| | 2 | Standard | Front | — | 10 | 15 | 20 | HBL7862FWD |
| | 3 | Standard | Front | — | 10 | 25 | 30 | HBL7863FWD |
| | 85 | 2 | Standard | Back | — | 10 | 15 | 20 |
| 3 | | Standard | Back | — | 10 | 25 | 40 | HBL7883D |
| Optional Side Guard, for close wall applications and finger safe environments. | | | | | | | | HBLFG30 |

Note: *HBL7832DX is a 50 piece bulk pack of the HBL7832D.



Wiring Device-Kellems

NEMA Disconnect Switches

"Suitable as Motor Disconnects"



Circuit-Lock® NEMA 1 Enclosures with Switch

Ideal for use in industrial environments, i.e. conveyor systems, industrial fans, etc.

| Amp | Poles | Enclosure Material | HP Rating | | | | Catalog Number |
|-----|-------|---------------------|---------------|---------------|---------------|---------------|-----------------|
| | | | 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | |
| 30 | 2 | Thermoplastic/Steel | 2 | 5 | 10 | 15 | HBL1392D |
| | 3 | Thermoplastic/Steel | 3 | 7.5 | 15 | 20 | HBL1389D |
| 30 | 2 | Aluminum | 2 | 5 | 10 | 15 | HBL1372D |
| | 3 | Aluminum | 3 | 7.5 | 15 | 20 | HBL1379D |



HBL1389D



HBL1379D

Circuit-Lock® NEMA 1 Enclosures without Switch

For use with 30A switches shown on page 10.

| Description | Cover Material | Base Material | No. Equipment Grounds | Catalog Number |
|--------------------------|----------------|---------------|-----------------------|----------------|
| For use with 30A switch. | Thermoplastic | Steel | 1 | HBL1390 |
| For use with 30A switch. | Aluminum | Aluminum | 2 | HBL1370 |



HBL1390



HBL1370

Circuit-Lock® NEMA 3/3R Enclosures with Switch*

Ideal for use on outdoor equipment.

| Amp | Poles | Enclosure Material | HP Rating | | | | Catalog Number |
|-----|-------|--------------------|---------------|---------------|---------------|---------------|-------------------|
| | | | 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | |
| 30 | 2 | Thermoplastic | 2 | 5 | 10 | 15 | HBL13R22D |
| | 3 | Thermoplastic | 3 | 7.5 | 15 | 20 | HBL13R23D |
| 30 | 2 | Aluminum | 2 | 5 | 10 | 15 | HBL13R12D† |
| | 3 | Aluminum | 3 | 7.5 | 15 | 20 | HBL13R13D† |

Note: *Drill weep-hole to alter from NEMA 3 to NEMA 3R.

†Equipped with **HBLFG30** sidewall insulation barriers.



HBL13R22D



HBL13R12D

Circuit-Lock® NEMA 3R Enclosures with Switch

Ideal for use in outdoor environments.

| Amp | Poles | Enclosure Material | HP Rating | | | | Catalog Number |
|-----|-------|--------------------|---------------|---------------|---------------|---------------|------------------|
| | | | 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | |
| 30 | 2 | Aluminum | 2 | 5 | 10 | 15 | HBL13R92D |
| | 3 | Aluminum | 3 | 7.5 | 15 | 20 | HBL13R89D |
| 60 | 2 | Aluminum | — | 10 | 15 | 20 | HBL16R92D |
| | 3 | Aluminum | — | 10 | 25 | 30 | HBL16R93D |



HBL13R89D



HBL16R93D

Circuit-Lock® NEMA 3R Enclosures without Switch

For use with switches shown on page 10.

| Description | Enclosure Material | Catalog Number |
|--------------------------|--------------------|-----------------|
| For use with 30A switch. | Aluminum | HBL13R90 |
| For use with 60A switch. | Aluminum | HBL16R90 |

Circuit-Lock® NEMA 4X Enclosures with Rotary Handle

Ideal for use in environments where wash-down is necessary, i.e. food processing, laboratories, etc.

| Amp | Poles | Enclosure Material | HP Rating | | | | Catalog Number |
|---|-------|--------------------|---------------|---------------|---------------|----------------|------------------|
| | | | 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | |
| 30 | 2 | Stainless Steel | 3 | 7.5 | 15 | 20 | HBL13S33D |
| | 3 | Valox® | 3 | 7.5 | 15 | 20 | HBL13X33D |
| 60 | 3 | Stainless Steel | — | 10 | 25 | 30 | HBL16S63D |
| | 3 | Valox® | — | 10 | 25 | 30 | HBL16X63D |
| Finger Guard option for 30A switch. | | | | | | HBLFG30 | |
| NO/NC auxiliary contact, 10A 120/250V AC for 30 and 60 Amp rotary switches. | | | | | | HBLAUX | |



HBL16S63D



HBL13X33D

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



Quick Reference Guide

Circuit-Lock® Switched Enclosures



HBL1379D



HBL13R89D



HBLDS3



HBL16R93D



HBL13S33D



FDS30



HBLDS3MQR



HBLDS3MQ5



HBL7810D



HBL7853D



HBL7843D



HBL7863D

| Catalog Number | Amp | Description | Phase | Poles | HP | | | |
|----------------|-----|---------------------------------------|-------|-------|-----|-----|-----|-----|
| | | | | | 120 | 240 | 480 | 600 |
| HBL1372D | 30 | NEMA 1 Aluminum | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL1379D | 30 | NEMA 1 Aluminum | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL1392D | 30 | NEMA 1 Non-Metallic | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL1389D | 30 | NEMA 1 Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL13R22D | 30 | NEMA 3/3R Aluminum | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL13R23D | 30 | NEMA 3/3R Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL13R12D | 30 | NEMA 3R Die Cast Aluminum | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL13R13D | 30 | NEMA 3R Die Cast Aluminum | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL13R92D | 30 | NEMA 3R Aluminum | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL13R89D | 30 | NEMA 3R Aluminum | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL16R92D | 60 | NEMA 3R Aluminum | 1 | 2 | — | 10 | 15 | 20 |
| HBL16R93D | 60 | NEMA 3R Aluminum | 3 | 3 | — | 10 | 25 | 30 |
| HBLDS3* | 30 | TYPE 4X Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 |
| HBLDS3AC* | 30 | TYPE 4X Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 |
| HBLDS3NK | 30 | TYPE 4X Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 |
| HBLDS3ACNK | 30 | TYPE 4X Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 |
| HBLDS33ACNK | 30 | TYPE 4X Non-Metallic | 3 | 3 | 1 | 5 | 10 | 10 |
| HBLDS6* | 60 | TYPE 4X Non-Metallic | 3 | 3 | 7.5 | 30 | 50 | 50 |
| HBLDS6AC* | 60 | TYPE 4X Non-Metallic | 3 | 3 | 7.5 | 30 | 50 | 50 |
| HBLDS10* | 100 | TYPE 4X Non-Metallic | 3 | 3 | 7.5 | 30 | 50 | 50 |
| HBLDS10AC* | 100 | TYPE 4X Non-Metallic | 3 | 3 | 7.5 | 30 | 50 | 50 |
| HBL13S33D | 30 | NEMA 4X Stainless Steel | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL13X33D | 30 | NEMA 4X Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL16S63D | 60 | NEMA 4X Stainless Steel | 3 | 3 | — | 10 | 25 | 30 |
| HBL16X63D | 60 | NEMA 4X Non-Metallic | 3 | 3 | — | 10 | 25 | 30 |
| FDS30 | 30 | NEMA 4X Non-Metallic Fused Disconnect | 3 | 3 | 2 | 7.5 | 15 | 20 |
| FDS60 | 60 | NEMA 4X Non-Metallic Fused Disconnect | 3 | 3 | 3 | 15 | 30 | 40 |

Note: *Stainless steel version carries the same HP rating.

MotorQuick® Disconnect Switches

| Catalog Number | Amp | Description | Phase | Poles | HP | | | |
|----------------|-----|----------------------|-------|-------|-----|-----|-----|-----|
| | | | | | 120 | 240 | 480 | 600 |
| HBL1389MQR | 30 | NEMA 1 Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL1389MQ5 | 30 | NEMA 1 Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL1389MQR2 | 30 | NEMA 1 Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBLDS3MQR | 30 | NEMA 4X Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 |
| HBLDS3MQ5 | 30 | NEMA 4X Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 |
| HBLDS3MQR2 | 30 | NEMA 4X Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 |

Circuit-Lock® Switches

| Catalog Number | Amp | Description | Phase | Poles | HP | | | |
|----------------|-----|----------------------------|-------|-------|-----|-----|-----|-----|
| | | | | | 120 | 240 | 480 | 600 |
| HBL7832D | 30 | Toggle Switch | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL7832DS | 30 | Short Toggle Switch | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL7832DX | 30 | Toggle Switch, Bulk Pack | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL7810D | 30 | Toggle Switch | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL7810DS | 30 | Short Toggle Switch | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL7842D | 40 | Toggle Switch | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL7843D | 40 | Toggle Switch | 3 | 3 | 3 | 7.5 | 15 | 20 |
| HBL7852D | 50 | Toggle Switch | 1 | 2 | 2 | 5 | 10 | 15 |
| HBL7853D | 50 | Toggle Switch | 3 | 3 | 3 | 7.5 | 15 | 25 |
| HBL7862D | 60 | Toggle Switch | 1 | 2 | — | 10 | 15 | 20 |
| HBL7863D | 60 | Toggle Switch | 3 | 3 | — | 10 | 25 | 30 |
| HBL7862FWD | 60 | Toggle Switch – Front Wire | 1 | 2 | — | 10 | 15 | 20 |
| HBL7863FWD | 60 | Toggle Switch – Front Wire | 3 | 3 | — | 10 | 25 | 30 |
| HBL7882D | 85 | Toggle Switch | 1 | 2 | — | 10 | 15 | 20 |
| HBL7883D | 85 | Toggle Switch | 3 | 3 | — | 10 | 25 | 40 |