



NEMA 3/3R Disconnect Switches

"Suitable as Motor Disconnects"

SHARED FEATURES

Rain tight enclosures.

Designed for surface mounting.

Heavy duty flip lid.

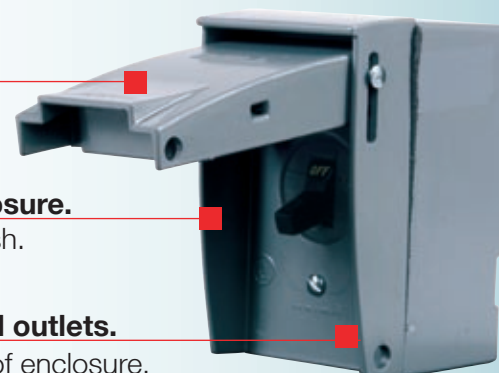
3-sided protection.

Die cast aluminum enclosure.

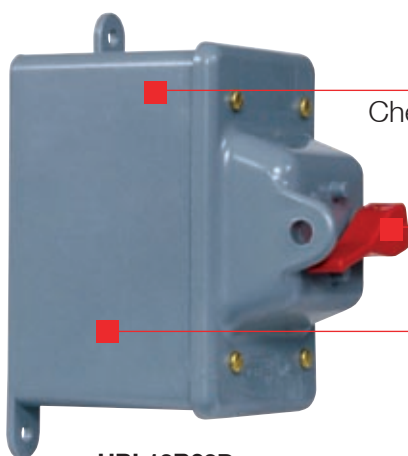
Gray zinc powder coat finish.

Three 1/2" NPT threaded outlets.

On top, bottom and back of enclosure.



HBL13R13D



HBL13R23D

VALOX® enclosure.

Chemical and impact resistant.

External activation lever switch.

Installer determined wire entry.

No predrilled openings or knockouts.

HUBBELL Advantage

- CIRCUIT-LOCK® NEMA type 3/3R enclosures are "Suitable as Disconnect" when used with the 30 amp controller/disconnect.
- Compact size allows for strategic placement.

CIRCUIT-LOCK® NEMA 3/3R Enclosures with Switch

Order Information

Ideal for use on outdoor equipment.

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

Note: For switch specifications refer to page 4.

* Drill weephole to alter from NEMA 3 to NEMA 3R.

† Equipped with HBLFG30 sidewall insulation barriers.



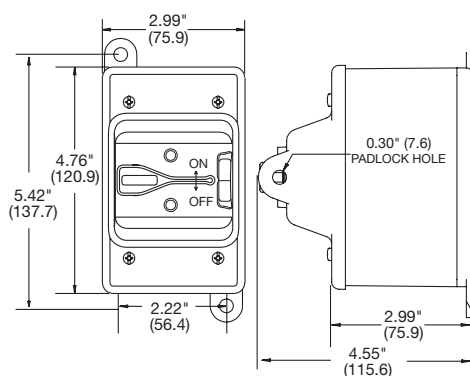
HBL13R23D



HBL13R13D

Dimensional Drawings

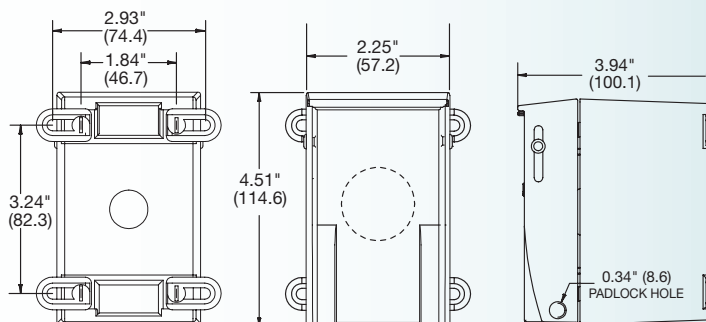
HBL13R22D and HBL13R23D



Front

Side

HBL13R12D and HBL13R13D



Back

Front Inside

Cover

VALOX® is a registered trademark of General Electric Company (GE).

NEMA 3R Disconnect Switches

"Suitable as Motor Disconnects"



SHARED FEATURES

All aluminum cover and base.

- Base is pre-drilled for rear surface mounting.

Rain tight drip shield top.

- Rolled seamless sides.

Wiring conduit knockouts.

- 1/2" NPT K.O. for 30A.
- 3/4" -1" NPT K.O. for 60A.
- Top, bottom or back wire entry points.

Advantage HUBBELL

■ CIRCUIT-LOCK® NEMA Type 3R enclosures are "Suitable as Disconnect" when used with the 30 or 60 amp controller/disconnect.

■ Front activated lever allows mounting in tight spaces.



HBL16R93D



HBL13R89D

CIRCUIT-LOCK® NEMA 3R Enclosures with Switch

Order Information

Ideal for use in outdoor environments.

HP Rating

Amp	Poles	120V AC	240V AC	480V AC	600V AC	Catalog Numbers
30	2	2	5	10	15	HBL13R92D
30	3	3	7.5	15	20	HBL13R89D
60	2	—	10	15	20	HBL16R92D
60	3	—	10	25	30	HBL16R93D

Note: For switch specifications refer to pages 2 and 3.



HBL13R89D



HBL16R93D

CIRCUIT-LOCK® NEMA 3R Enclosures without Switch

Order Information

For use with switches shown on pages 3 and 4.

Description

For use with 30A switch.

Catalog Numbers

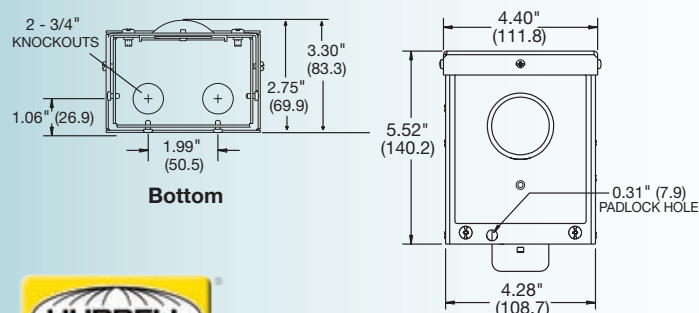
HBL13R90

For use with 60A switch.

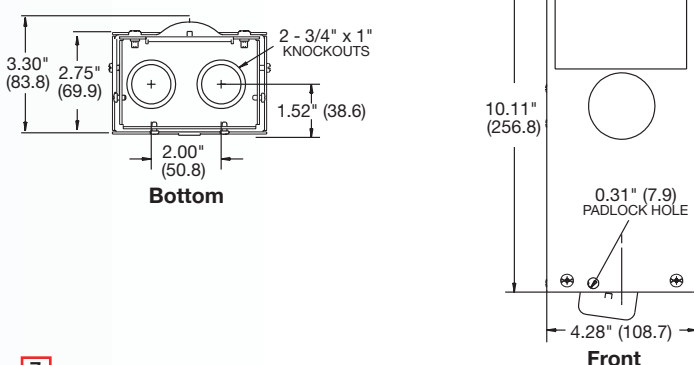
HBL16R90

Dimensional Drawings

HBL13R90, HBL13R89D and HBL13R92D



HBL16R90, HBL16R92D and HBL16R93D



Wiring Device-Kellems



NEMA 4X Disconnect Switches

"Suitable as Motor Disconnects"

SHARED FEATURES

Undrilled case.

- Allows custom placement of wire entry.

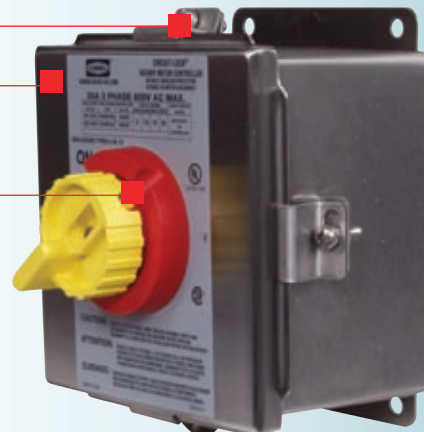
Hinged cover with removable continuous pin.

304 stainless steel enclosure.

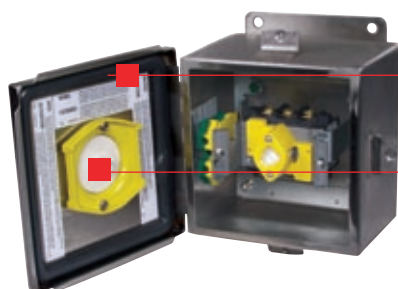
Chemical and corrosion resistant.

VALOX® handle and collar.

Chemical and impact resistant.



HBL13S33D



Poured in closed cell neoprene gasket.

Interlocking shaft and handle.

Prevents cover removal when switch is on.

Up to 2 optional auxiliary contacts.

For PLCs and external indicators.



HUBBELL Advantage

- CIRCUIT-LOCK® NEMA 4X enclosures are "Suitable as Disconnect" when used with the 30 or 60 amp controller/disconnect.
- High impact, chemical and corrosion resistant.
- Neutral and ground bus included for wiring ease (60A product).
- Up to two optional auxiliary contacts for PLC's and external indicators.

CIRCUIT-LOCK® NEMA 4X Enclosures with Switch and Accessories

Order Information

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

Amp	Poles	HP Rating				Catalog Numbers
		120V AC	240V AC	480V AC	600V AC	
30	3	3	7.5	15	20	HBL13S33D
60	3	—	10	25	30	HBL16S63D

Finger Guard option for 30A switch

HBLFG30

NO/NC auxiliary contact, 10A 120/250 V AC for 30 and 60 Amp switches

HBLAUX

Note: For switch specifications refer to page 4.



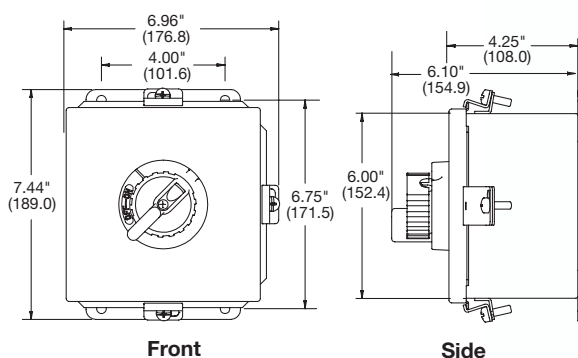
HBL13S33D



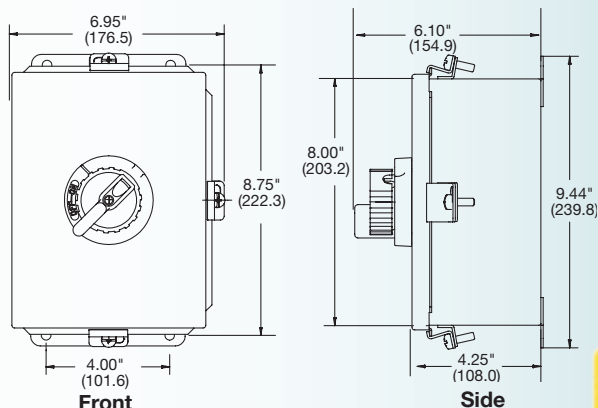
HBL16S63D

Dimensional Drawings

HBL13S33D



HBL16S63D



NEMA 4X Disconnect Switches

"Suitable as Motor Disconnects"



SHARED FEATURES

VALOX® enclosure.

- For impact and chemical resistance.

Identified drill locations.

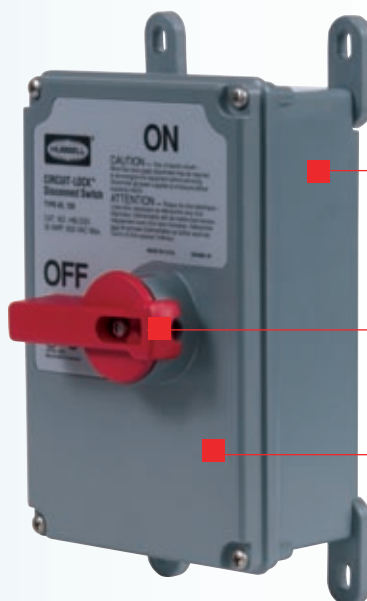
- Enables custom placement of wire entry.

Up to two optional auxiliary contacts.

- For PLCs and external indicators.

Ample wiring room for drip loops.

Adjustable external mounting feet.



HBLDS3

Internal frame bonds all grounds.

For use with plastic or metallic conduit.

Front activated pistol handle grip.

Minimizes side space clearance.

Interlocking shaft and handle.

Prevents cover removal in "ON" position.

Safety interlocked fuse access door.

Quick, easy access to fuses.

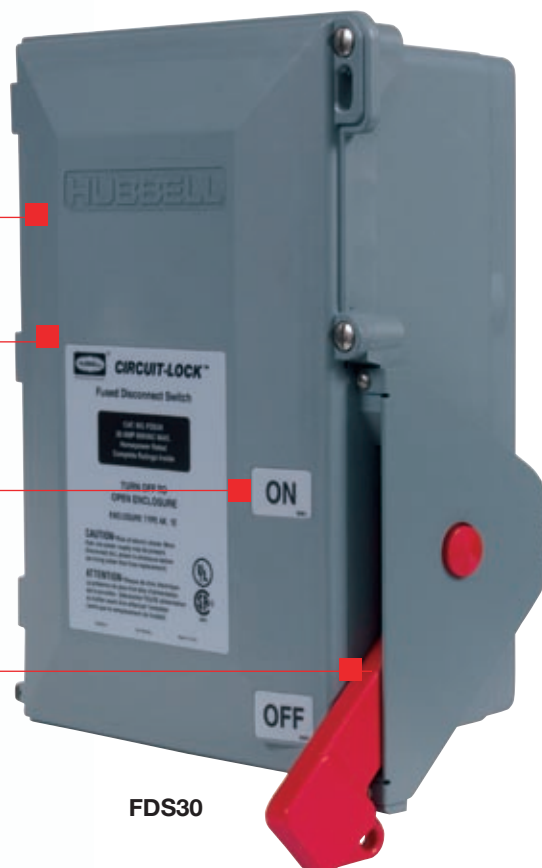
Compact fused disconnect switch.

Accepts Class "J" fuses.

Safety features.

Switch can only be turned "ON" with cover closed.
Fuses can only be accessed with switch in the off position.

Side activated highly visible red handle.



FDS30

HUBBELL
Advantage

- Safely Terminate Power at any Point in the Circuit.
- Flexible Disconnect Placement.



Wiring Device-Kellems



NEMA 4X Disconnect Switches

"Suitable as Motor Disconnects"

NEMA 4X Switched Enclosure, Unfused

Order Information

Used primarily in heavy wash-down and corrosive environments.

Description	HP Rating				Catalog Numbers
	120V AC	240V AC	480V AC	600V AC	
30A Disconnect switch	1	7.5	15	15	HBLDS3
30A Disconnect switch w/aux. contact	1	7.5	15	15	HBLDS3AC
60A Disconnect Switch	7.5	30	50	50	HBLDS6
60A Disconnect switch w/aux. contact	7.5	30	50	50	HBLDS6AC
100A Disconnect Switch	7.5	30	50	50	HBLDS10
100A Disconnect switch w/aux. contact	7.5	30	50	50	HBLDS10AC
Aux. contact, break after break	—	—	—	—	HBLAC1
Aux. contact, break before break	—	—	—	—	HBLAC2
Ground block (30A switch)	—	—	—	—	HBL30RGB
Ground block (60A and 100A switch)	—	—	—	—	HBL60100RGB
Neutral block (30A switch)	—	—	—	—	HBL30RNB
Neutral block (60A switch)	—	—	—	—	HBL60RNB
Neutral block (100A switch)	—	—	—	—	HBL100RNB
Replacement 30A switch	—	—	—	—	HBLDS3RS
Replacement 60A and 100A switch	—	—	—	—	HBLDS60100RS



HBLDS3



HBLAC1

NEMA 4X Switched Enclosure, Fused Disconnect

Order Information

Used primarily in heavy wash-down and corrosive environments.

Description	HP Rating				Catalog Numbers
	120V AC	240V AC	480V AC	600V AC	
30A Disconnect switch	2	7.5	15	20	FDS30
60A Disconnect switch	3	15	30	40	FDS60
Aux. contact, norm. open, A600 pilot duty	—	—	—	—	ACFSNO
Aux. contact, norm. closed, A600 pilot duty	—	—	—	—	ACFSNC



FDS30

Specifications

Electrical Performance

Dielectric Voltage	3,000V AC minimum
Electrical Life	6,000 Cycles at rated switch parameters
Max Working Voltage	600V AC RMS
Short Circuit	Use on a circuit capable of delivering not more than 10,000 symmetrical amperes
Withstand Rating as Motor Disconnect	(for HBL series 600V AC max) (for FDS and ACFSN series - at a voltage rating when protected by Class "J" fuses)

Mechanical

Mechanical Life	10,000 minimum cycles		
Terminal Accommodations	Amps	AWG Min.	AWG Max.
	30	#14	#10
	60A	#14	# 4
	100A		
Terminal Torque	30A	20 inch pounds	
	60A	25 inch pounds	
	100A	25 inch pounds	
Impact Resistance	UL746C		

Environmental

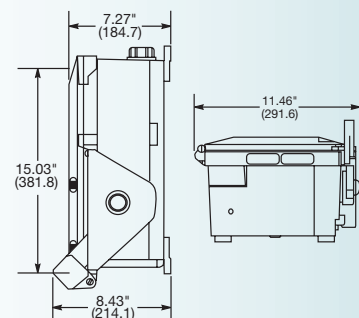
Flammability	UL94-5VA and V0 Classification	
Operating Temp.	Max. continuous	75 °C
	Min. continuous	-40 °C

Listings

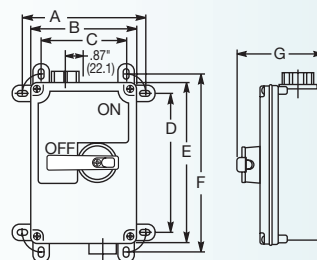
UL 508	Industrial Control Equipment File #E70402
CSA-C22.2 No.14	Industrial Control Equipment
	File # LR-46186

Dimensional Drawings

Fused



Unfused



Key	30A		60A/100A	
	inch	(mm)	inch	(mm)
A	6.00	152	7.75	197
B	5.12	130	6.87	175
C	4.12	105	4.75	121
D	6.62	168	8.00	203
E	7.62	194	9.95	253
F	8.50	216	11.00	279
G	4.12	105	5.94	151



Wiring Device-Kellems

www.hubbell-wiring.com

Hubbell's CIRCUIT-LOCK®

Manual Motor Controllers "Suitable as Motor Disconnects"



QUICK REFERENCE

Toggle Switches

	Catalog Numbers	Amps	Description	Phase	Poles	HP			
						120	240	480	600
 HBL7810D	HBL7832D	30	Toggle Switch	1	2	2	5	10	15
	HBL7832DS	30	Short Toggle Switch	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
 HBL7853D	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
 HBL7863D	HBLFG30	—	Finger guard (30-50A Switches)						
	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

Toggle Switches in Enclosures

	Catalog Numbers	Amps	Description	Phase	Poles	HP			
						120	240	480	600
 HBL1379D	HBL1372D	30	NEMA 1 Aluminum	1	2	2	5	10	15
	HBL1379D	30	NEMA 1 Aluminum	3	3	3	7.5	15	20
 HBL13R92D	HBL1392D	30	NEMA 1 Plastic	1	2	2	5	10	15
	HBL1389D	30	NEMA 1 Plastic	3	3	3	7.5	15	20
	HBL13R22D	30	NEMA 3/3R Plastic	1	2	2	5	10	15
	HBL13R23D	30	NEMA 3/3R Plastic	3	3	3	7.5	15	20
 HBL13S33D	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
 HBLDS3	HBL16R92D	60	NEMA 3R Aluminum	1	2	—	10	15	20
	HBL16R93D	60	NEMA 3R Aluminum	3	3	—	10	25	30
	HBLDS3	30	NEMA 4X Non-Metallic	3	3	1	7.5	15	15
	HBLDS6	60	NEMA 4X Non-Metallic	3	3	7.5	30	50	50
 FDS30	HBLDS10	100	NEMA 4X Non-Metallic	3	3	7.5	30	50	50
	HBL13S33D	30	NEMA 4X Stainless Steel	3	3	3	7.5	15	20
	HBL16S63D	60	NEMA 4X Stainless Steel	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