



FDS30

Gray Style Switch



HBLACFSNO HBL30MIFRS

Black Style Switch



ACFSNO 30MIFRS



MICPK30



HBLRFT2

30 and 60 Amp Fused Disconnect Switches

Description	Catalog Number
30A Circuit-Lock fused disconnect switch.	FDS30*
60A Circuit-Lock fused disconnect switch.	FDS60*

*Note: *Class “J” fuses not included.*

Auxiliary Contacts

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	ACFSNO	HBLACFSNO
Auxiliary contact, normally closed, A600 pilot duty, break before break.	ACFSNC	HBLACFSNC

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeable.

Replacement Switches

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
For 30A fused switches.	30MIFRS	HBL30MIFRS
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	—	HBL60MIFRS

Note: If replacing a Black Style switch, you must use the 30MIFRS. All other applications can use the Gray Style switch.

Watertight Closure Plug Kits

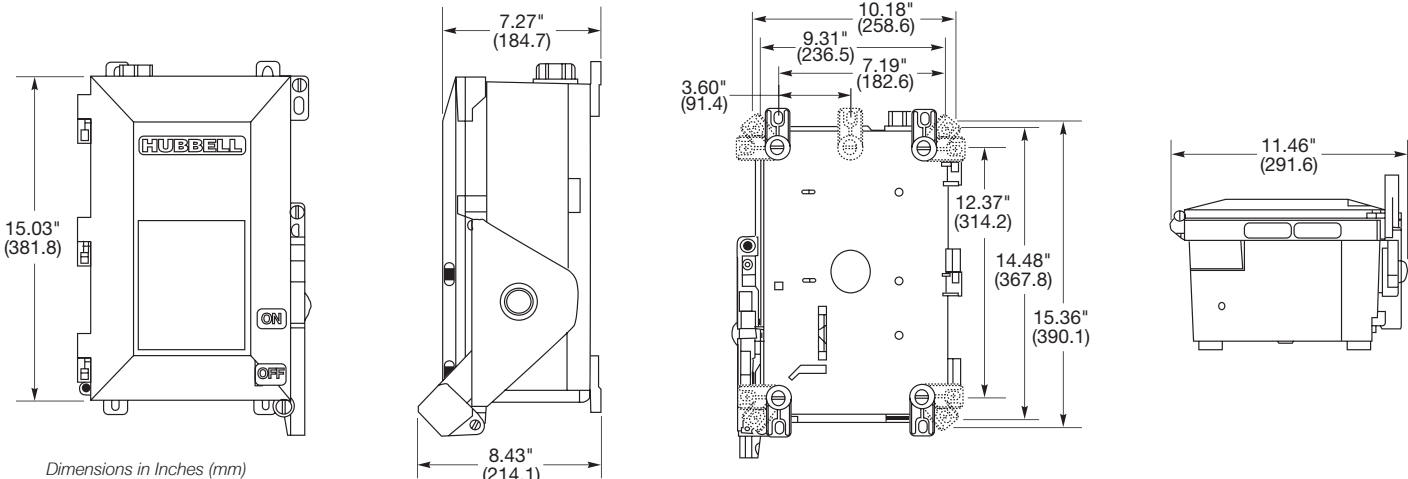
Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK60

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	HBLRFT2^Δ

*Note: 30A Units supplied with two 1 in. NPT raintight conduit fittings.
60A Units supplied with two 1¼ in. NPT raintight conduit fittings.
^ΔPackage of 10 feet and 10 screws.*

Dimensions





Horsepower Ratings

Ratings	Volts	Standard HP	Maximum HP*	Catalog Number
30A	120V AC	0.5	2	FDS30
600V AC	208-240V AC	1.5	3	
Max.	3Ø 240V AC	3	7.5	
	3Ø 480V AC	5	15	
	3Ø 600V AC	7.5	20	
	3Ø Y 120/208V AC	3	5	
	3Ø Y 277/480V AC	5	15	
	3Ø Y 347/600V AC	7.5	20	
60A	120V AC	1.5	3	FDS60
600V AC	208-240V AC	3	7.5	
Max.	3Ø 240V AC	7.5	15	
	3Ø 480V AC	15	30	
	3Ø 600V AC	15	50	
	3Ø Y 120/208V AC	7.5	15	
	3Ø Y 277/480V AC	15	30	
	3Ø Y 347/600V AC	15	40	

Note: *Requires time delay fuses.

Fuse and Short Circuit Information

Horsepower Ratings	The starting current of motors of more than the standard horsepower rating may require the use of fuses with appropriate time-delay characteristics.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class "J" fuses.

Note: Replacement fused switch must be the same type Hubbell switch as original and have equal or greater short circuit current withstand rating.

Circuit-Lock® Fused Disconnect Switch

Specifications	
Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant); Indoor – Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	External fully adjustable feet.
Fuse Types	UL Listed, Class "J"; CSA Certified, HRCI-J.
Materials	
Part	Material
Base	Valox®
Door	Valox®
Handle	Valox®
Conduit Hub	Zinc, 30A Fused – 1 in., 60A Fused – 1¼ in.
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Frame	Galvanized Steel
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series

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



Ratings Quick Reference Guide

Circuit-Lock® Switched Enclosures

Amp	Description	Phase	Poles	HP				Catalog Number
				120	240	480	600	
30	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389MQR
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389MQ5
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389MQR2
	NEMA 1 Aluminum	1	2	2	5	10	15	HBL1372D
	NEMA 1 Aluminum	3	3	3	7.5	15	20	HBL1379D
	NEMA 1 Non-Metallic	1	2	2	5	10	15	HBL1392D
	NEMA 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389D
	NEMA 3/3R Non-Metallic	1	2	2	5	10	15	HBL13R22D
	NEMA 3/3R Non-Metallic	3	3	3	7.5	15	20	HBL13R23D
	NEMA 3R Die Cast Aluminum	1	2	2	5	10	15	HBL13R12D
	NEMA 3R Die Cast Aluminum	3	3	3	7.5	15	20	HBL13R13D
	NEMA 3R Aluminum	1	2	2	5	10	15	HBL13R92D
	NEMA 3R Aluminum	3	3	3	7.5	15	20	HBL13R89D
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3AC
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3AC2
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3NK
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3ACNK
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	5	10	10	HBLDS33ACNK
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3MQR
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3MQ5
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3MQR2
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SS
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSAC
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSVFD
	TYPE 4X Stainless Steel	3	3	2	7.5	15	15	HBLDS3SSMQR
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSMQ5
	TYPE 4X Non-Metallic Fused Disconnect	3	3	1	7.5	15	20	FDS30
	NEMA 4X Stainless Steel	3	3	3	7.5	15	20	HBL13S33D
	NEMA 4X Non-Metallic	3	3	3	7.5	15	20	HBL13X33D
60	NEMA 3R Aluminum	1	2	—	10	15	20	HBL16R92D
	NEMA 3R Aluminum	3	3	—	10	25	30	HBL16R93D
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS6
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS6AC
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS6SS
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS6SSAC
	TYPE 4X Non-Metallic Fused Disconnect	3	3	3	15	30	40	FDS60
	NEMA 4X Stainless Steel	3	3	—	10	25	30	HBL16S63D
	NEMA 4X Non-Metallic	3	3	—	10	25	30	HBL16X63D
100	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS10
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS10AC
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS10SS
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS10SSAC



HBL1379D



HBL1389D



HBLDS3



HBL16R93D



HBL13S33D



FDS30



HBLDS3SS



HBLDS3SSR



HBLDS3MQR



HBLDS3MQ5

Circuit-Lock® Switches

Amp	Description	Phase	Poles	HP				Catalog Number
				120	240	480	600	
30	Toggle Switch	1	2	2	5	10	15	HBL7832D
	Short Toggle Switch	1	2	2	5	10	15	HBL7832DS
	Toggle Switch, Bulk Pack	1	2	2	5	10	15	HBL7832DX
	Toggle Switch	3	3	3	7.5	15	20	HBL7810D
	Short Toggle Switch	3	3	3	7.5	15	20	HBL7810DS
40	Toggle Switch	1	2	2	5	10	15	HBL7842D
	Toggle Switch	3	3	3	7.5	15	20	HBL7843D
50	Toggle Switch	1	2	2	5	10	15	HBL7852D
	Toggle Switch	3	3	3	7.5	15	25	HBL7853D
—	Finger guard (30–50A Switches)	—	—	—	—	—	—	HBLFG30
60	Toggle Switch	1	2	—	10	15	20	HBL7862D
	Toggle Switch	3	3	—	10	25	30	HBL7863D
	Toggle Switch – Front Wire	1	2	—	10	15	20	HBL7862FWD
	Toggle Switch – Front Wire	3	3	—	10	25	30	HBL7863FWD
85	Toggle Switch	1	2	—	10	15	20	HBL7882D
	Toggle Switch	3	3	—	10	25	40	HBL7883D



HBL7810D



HBL7853D



HBL7862D



HBL7863D

A *Safety-First* Priority



Hubbell's Circuit-Lock® Fused Disconnect Switches and Mechanical Interlocks



Improved Short Circuit Current Ratings (SCCR):

Short Circuit Withstand Rating Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class "J" fuses.

Hubbell is now manufacturing UL98 and UL508 fused disconnects with a new switch which is able to withstand increased SCCR situations. All new shipments will include product with the improved ratings of:

Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class "J" fuses.

Short-Circuit Current Ratings (SCCRs) have become an increased concern in the market as users comply with the Arc Flash and PPE re-evaluations of the 2012 Edition of NFPA 70E, Electrical Safety in the Workplace.

Fused Disconnect Switches



30 Amps	60 Amps
FDS30	FDS60

IEC Mechanical Interlocks



30 Amps	60 Amps
HBL430MIF12W	HBL460MIF12W
HBL430MIF9W	HBL460MIF9W
HBL430MIF7W	HBL460MIF7W
HBL430MIF5W	HBL460MIF5W
HBL530MIF7W	HBL560MIF9W
HBL530MIF5W	

Insulgrip® Mechanical Interlocks



30 Amps	60 Amps
HBL430MIFS2W (Fused)	HBL460MIFS2W (Fused)
HBL430MIS2W (Unfused)	HBL460MIS2W (Unfused)

Updating Existing Installations

Identifying the Product: For existing installations product with the improved rating can be identified either by:

- The color of the switch which is gray and **not** black.
- The ratings noted on the product label.

Auxiliary Contacts: Auxiliary contacts are specific to the style switches and are not interchangeable.

- Auxiliary contacts for new installations or existing installations having the gray switch are the **HBLACFSNO** (normally open) and **HBLACFSNC** (normally closed).
- Auxiliary contacts for existing installations having the black switch are the **ACFSNO** (normally open) and **ACFSNC** (normally closed).

Replacement Switches:

- **30A** - For replacement of a black style switch order the **30MIFRS**.
- **30A** - For replacement of a gray style switch order the **HBL30MIFRS**.
- **60A** - For all 60A replacements (black and gray) order the **HBL60MIFRS**.

Gray Style Switch



HBLACFSNO



HBL30MIFRS

Black Style Switch



ACFSNO



30MIFRS