



# Disconnect Switches for use with Variable Frequency Drives

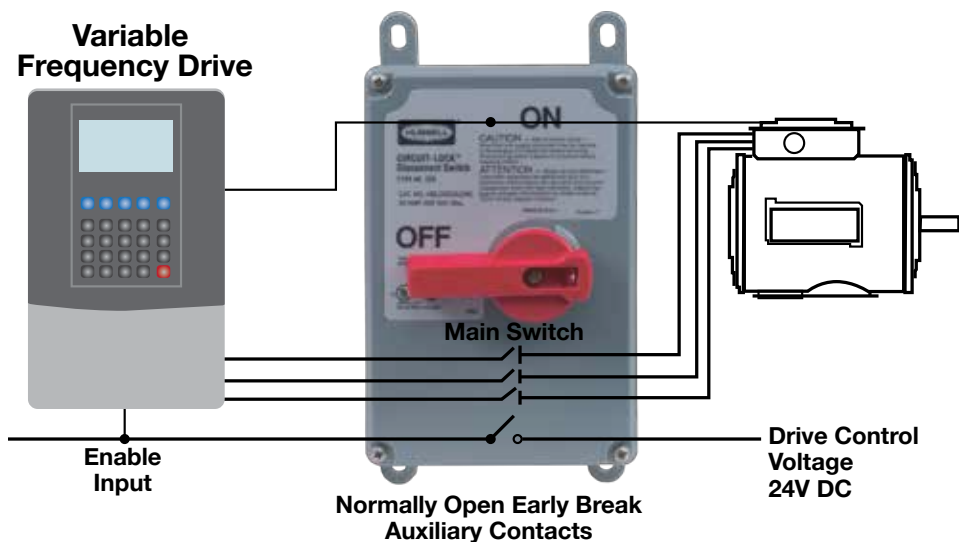


Hubbell's Disconnect Switch for **Variable Frequency Drives** (VFDs) prevents downtime from out of sequence equipment shutdowns. The VFD Series integrates a verified break before break auxiliary contact factory installed in our HBLDS Series 30 Amp disconnect switch enclosure that interfaces directly with VFDs.

The use of VFDs are being extended to a wide variety of motor driven equipment applications. VFDs control the frequency of the electrical power supplied to motors. When a motor disconnect is turned off in a low frequency state, disconnect contacts can potentially be damaged. This can cause potential risk of injury to workers and equipment malfunctions, resulting in costly down time and repairs.

Through extensive testing, Hubbell has determined the timing of our early break auxiliary contact safely disconnects the power by signaling the VFD that the motor disconnect is being turned off. The VFD then executes a coast-to-stop preventing any damage to the disconnect switch and the VFD output device.

- Tested to be effective for use with VFDs
- Powers down the drive prior to opening the motor disconnect
- Prevents damage to the motor disconnect and the VFD



**think SAFETY...**  
**think HUBBELLSAFE**



# Disconnect Switches for use with Variable Frequency Drives



**HBLDS3VFD**



**HBLDS3SSVFD**

**Circuit-Lock® Disconnect Switches  
with Integrated Break Before Break Auxiliary Contact**

**IP66**  
SUITABILITY

Amp	Description	Non-Metallic	Stainless Steel
30	Circuit-Lock disconnect switch for use with variable frequency drives.	<b>HBLDS3VFD</b>	<b>HBLDS3SSVFD</b>
60	Circuit-Lock disconnect switch for use with variable frequency drives.	<b>HBLDS6VFD</b>	<b>HBLDS6SSVFD</b>
100	Circuit-Lock disconnect switch for use with variable frequency drives.	<b>HBLDS10VFD</b>	<b>HBLDS10SSVFD</b>

*Existing **CIRCUIT-LOCK®** products which can be retrofitted in the field by adding the **HBLAC2** early break auxiliary contacts.*



**Auxiliary Contact**

Description	Catalog No.
Auxiliary contact break before break; 1 set of n/o contacts	<b>HBLAC2</b>

**Circuit-Lock® Unfused Disconnect Switches**

Can be used in all existing 20A, 30A 60A and 100A unfused disconnect switches.



**Circuit-Lock® Unfused Mechanical Interlocks**

Can be used in all existing 20A, 30A 60A and 100A unfused mechanical interlocks.

