

Disconnect Switches for use with Variable Frequency Drives

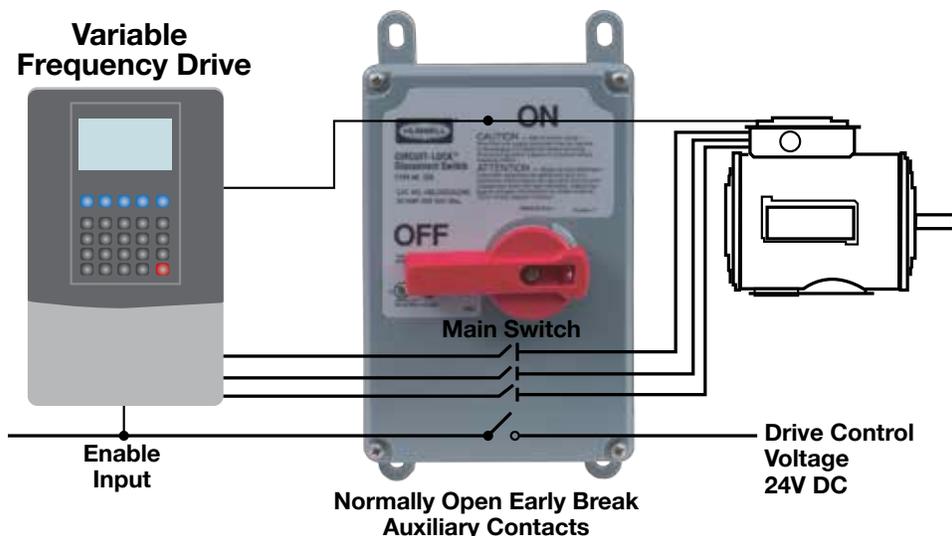


Hubbell's Disconnect Switch for **Variable Frequency Drives** (VFDs) prevents downtime from out of sequence equipment shutdowns. The VFD Series integrates a verified break before break auxiliary contact factory installed in our HBLDS Series 30 Amp disconnect switch enclosure that interfaces directly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





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HBLDS3VFD



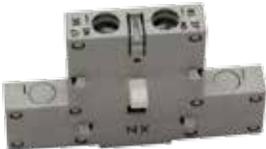
HBLDS3SSVFD

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.	HBLDS3VFD	HBLDS3SSVFD
60	Circuit-Lock disconnect switch for use with variable frequency drives.	HBLDS6VFD	HBLDS6SSVFD
100	Circuit-Lock disconnect switch for use with variable frequency drives.	HBLDS10VFD	HBLDS10SSVFD

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	HBLAC2

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.

