

Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS3	HBLDS6	HBLDS10
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS3AC	HBLDS6AC	HBLDS10AC
Disconnect switch for use with variable frequency drives.	HBLDS3VFD	HBLDS6VFD	HBLDS10VFD
Disconnect switch without conduit knockout or conduit fitting.	HBLDS3NK	—	—
Disconnect switch with HBLAC1 auxiliary contact without conduit knockout or conduit fitting.	HBLDS3ACNK	—	—
Disconnect switch with 3 auxiliary contacts, without 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	—	—



HBLDS3



HBLDS3VFD



HBLDS3P



HBLDS3J



HBLAC1

HBLAC2

Non-Metallic Disconnects with LEDs

Description	30 Amp	60 Amp	100 Amp
Disconnect switch with LEDs.	HBLDS3P	—	—
Disconnect with Jog switch and LEDs.	HBLDS3PJ	—	—

Note: For use with 3Ø Y configurations only.

Non-Metallic Labelless Disconnects with Jog Switch

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS3J	HBLDS6J	—
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS3ACJ	—	—
Disconnect switch for use with variable frequency drives.	HBLDS3VFDJ	—	—

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

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 for use with variable frequency drives.	HBLAC2**

Note: *Certified by NSF, International.

**Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.

30A Units are supplied with one ¼ in. NPT Raintight conduit fitting.

60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.

Variable Frequency Drive Diagram

When installing a disconnect in series with a VFD it is critical to include the correct auxiliary contact. Through extensive testing, Hubbell has determined the timing of our early break auxiliary contact HBLAC2 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.



Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS3	HBLDS6	HBLDS10
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS3AC	HBLDS6AC	HBLDS10AC
Disconnect switch for use with variable frequency drives.	HBLDS3VFD	HBLDS6VFD	HBLDS10VFD
Disconnect switch without conduit knockout or conduit fitting.	HBLDS3NK	—	—
Disconnect switch with HBLAC1 auxiliary contact without conduit knockout or conduit fitting.	HBLDS3ACNK	—	—
Disconnect switch with 3 auxiliary contacts, without 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	—	—



HBLDS3



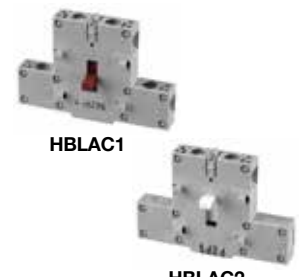
HBLDS3VFD



HBLDS3P



HBLDS3J



HBLAC1

HBLAC2

Non-Metallic Disconnects with LEDs

Description	30 Amp	60 Amp	100 Amp
Disconnect switch with LEDs.	HBLDS3P	—	—
Disconnect with Jog switch and LEDs.	HBLDS3PJ	—	—

Note: For use with 3Ø Y configurations only.

Non-Metallic Labelless Disconnects with Jog Switch

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS3J	HBLDS6J	—
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS3ACJ	—	—
Disconnect switch for use with variable frequency drives.	HBLDS3VFDJ	—	—

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

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 for use with variable frequency drives.	HBLAC2**

Note: *Certified by NSF, International.

**Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.

30A Units are supplied with one ¼ in. NPT Raintight conduit fitting.

60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.

Variable Frequency Drive Diagram

When installing a disconnect in series with a VFD it is critical to include the correct auxiliary contact. Through extensive testing, Hubbell has determined the timing of our early break auxiliary contact HBLAC2 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.

