

Patent Pending



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IE175VB

17.5kV/1250A Vacuum Circuit Breaker/ Visual Disconnect Switch



IE175VB

The IE175VB combines a specially designed Intermountain Electronics Visual Disconnect Switch (VDS), with an industry standard Vacuum Circuit Breaker (VCB) integrated into a single compact unit rated for 17.5kV operation up to 1250A.

The VDS/VCB replaces traditional 600A and 1200A designs with a globally accepted breaker and a high quality grounding VDS, while offering higher voltage and current ratings.

The VDS is opened or closed with an ergonomically designed open/close lever. When this switch is in the open position, all 3 phases are grounded, and a mechanical interlock ensures that the VCB remains open. The VDS can be locked in the open position. Auxiliary switches are also provided for electronic monitoring/interlocking of the VDS switch position for additional safety.

The VCB provides front panel controls to open or close the VCB, and to charge the spring for manual operation. In addition, the VCB has electrical open and close coils, along with a spring charging motor for remote operation to mitigate arc flash concerns. The VCB includes 10 VCB auxiliary contacts, and a UVR option is available.

Features

VDS:

- Ergonomic VDS open/close lever
- Switch contacts visible to operator to confirm phases are grounded and VDS is open
- VDS aux switches indicate when VDS is fully open/fully closed
- Lockable in open position
- Mechanically interlocked with VCB, electrical interlock possible (recommended) using VDS aux switch

VCB:

- Industry standard, proven technology
- 10 VCB aux switches
- Optional UVR
- Front panel controls: VCB On, VCB Off, Spring Charge Lever
- Front panel indicators: VCB On/Off, Spring Charge
- Electrical Remote Control: Open and Close coils, Spring Charge Motor

Specifications

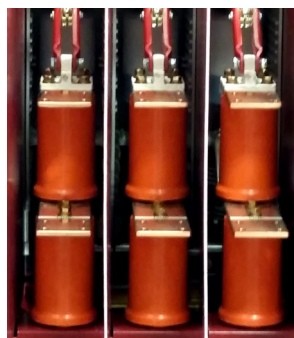
<u>Rating:</u>	<u>Value:</u>
Continuous Current:	1250A
Interrupting Current:	25kA
Momentary Current:	25kA
Voltage (at 60Hz):	17.5kV
Impulse Withstand:	95kVBIL

Ordering Information

<u>Model:</u>	<u>IE Part #:</u>
IE175VB-000 (no UVR):	1040-0000
IE175VB-001 (With UVR):	1040-0001



Front View



Rear Connections



Installation Example