

Advance™ L-Frame and Parts Kit

Descriptive Bulletin

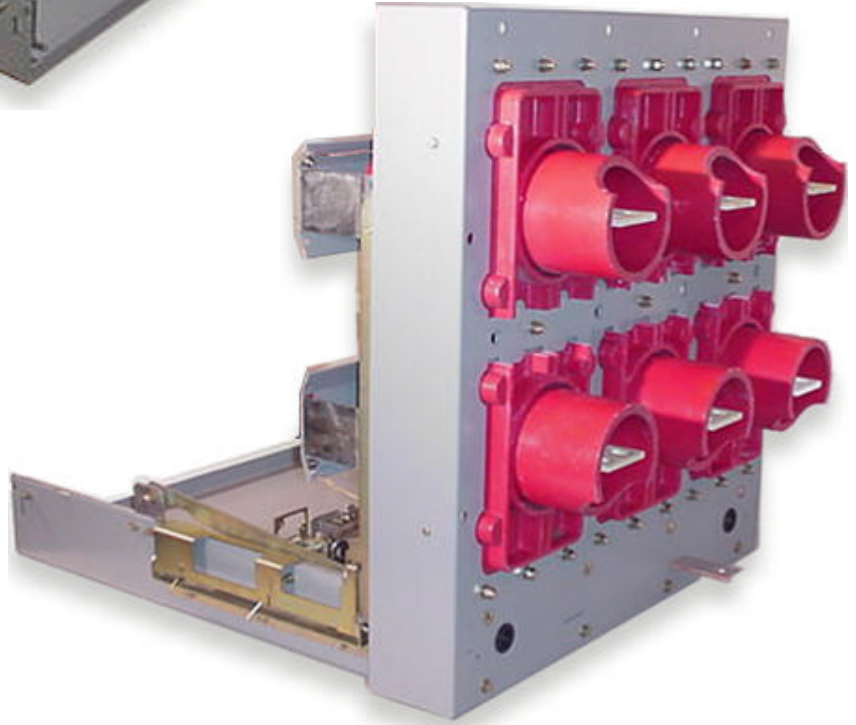
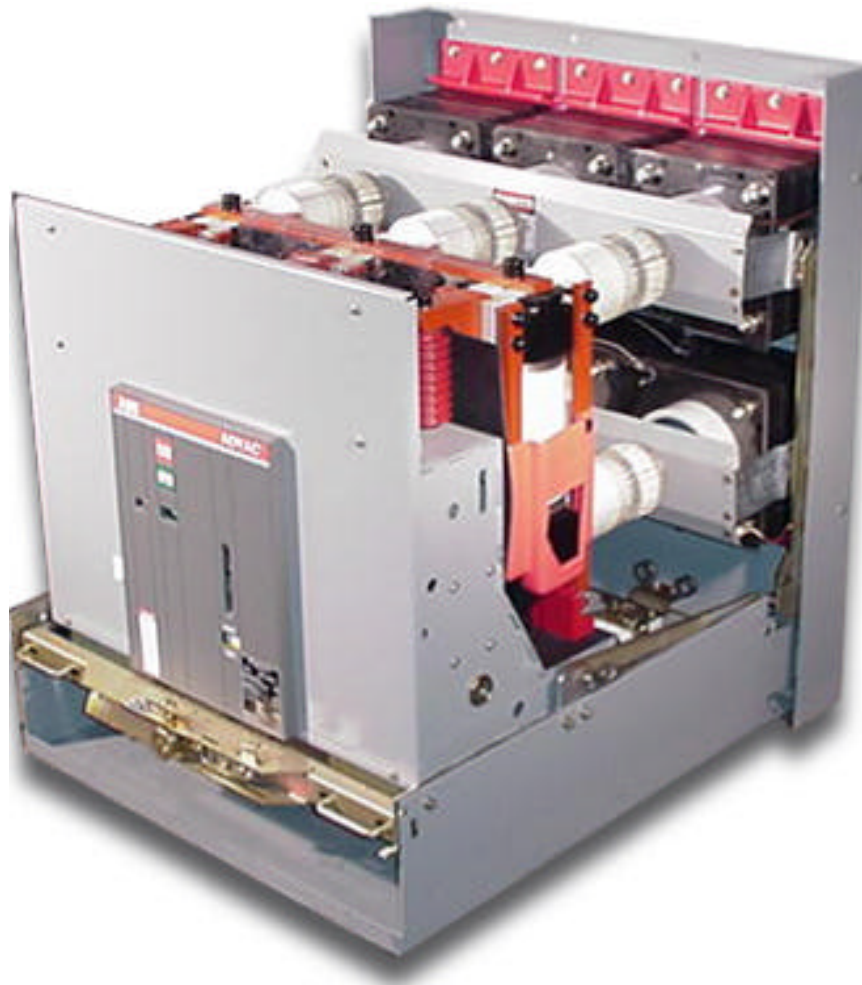


ABB Medium Voltage Technology



Product Description

- ABB's Advance™ L-Frame and Parts Kits are manufactured to meet the current medium voltage industry standards. The designs are based on Advance™ switchgear which is UL & CSA certified, providing reliability in the field. These offerings give the OEM the flexibility to utilize a minimum number of components. A fully assembled Advance™ L-Frame is available for efficient assembly or individual Part Kits are available for breaker to cell interface. The Advance™ L-frame is computer designed allowing drawings and DXF files to be provided electronically. The intelligent design, rugged frame construction and durable components provide a high quality finished assembly.



- ABB is committed to providing quality products by manufacturing and assembling in ISO certified factories.
- Additional technical information is available regarding ventilation requirements per continuous current ratings, minimum cubic volume of the enclosure allowed, electrical clearances and other key data.

Part Kit Sub-Assemblies



Shutter Cover Guard



**Circuit Breaker
Ground Connection**



**Automatic Secondary
Disconnect Assembly**



**Secondary Disconnect
Wire Harness**



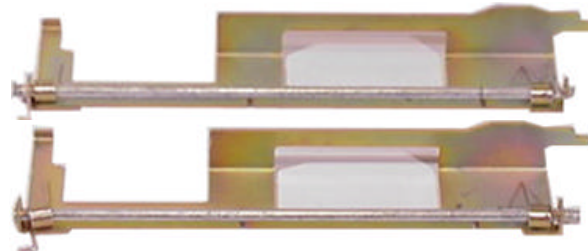
Guide Rails



Shutter Actuating Lever



Shutter Lock Support Brackets



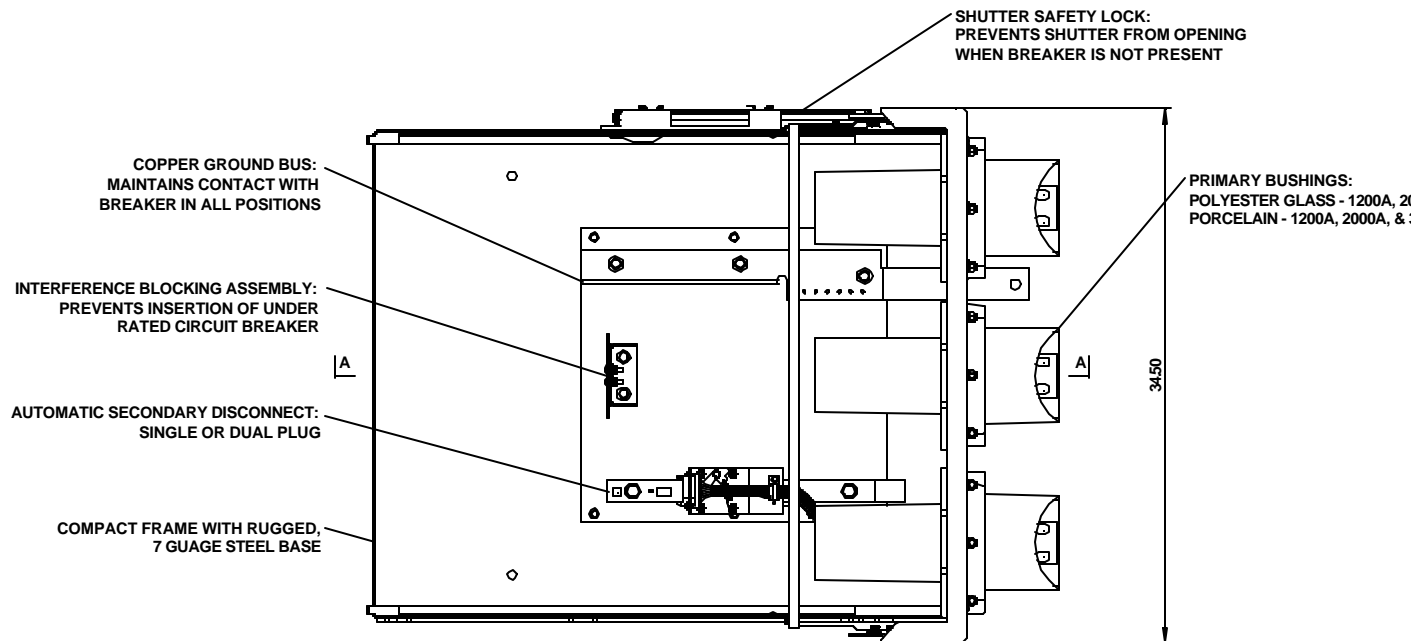
Shutter Lock Assembly



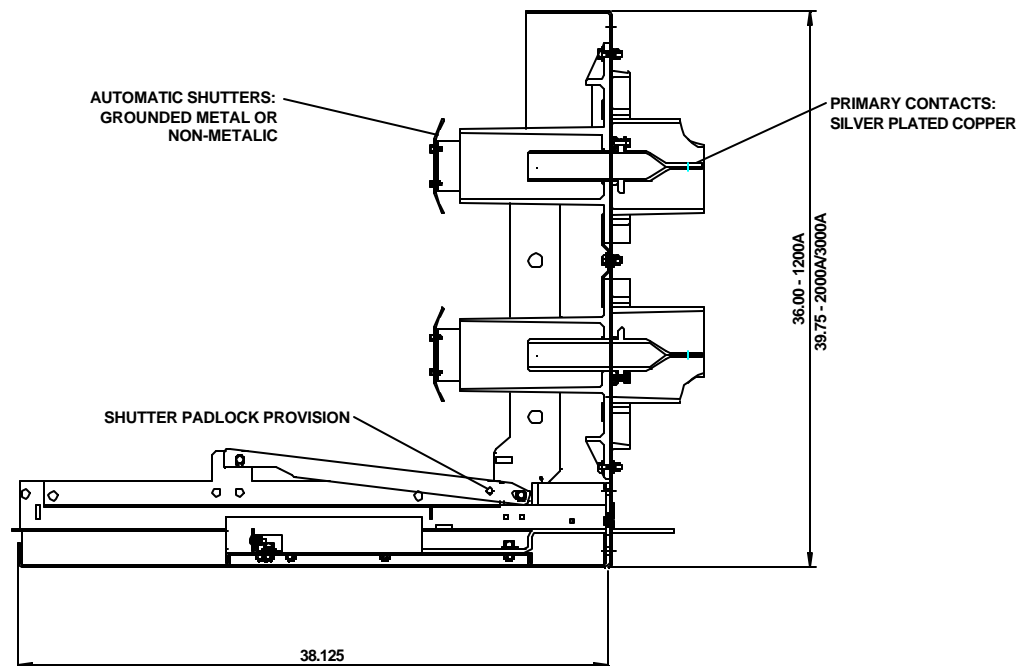
Primary Bushing and Contact

- Advance™ L-Frame and Parts Kits are provided to allow the OEM to maximize the number of value added switchgear assembly operations while enabling efficient interface to standard ADVAC™ and AMVAC™ circuit breakers. Parts Kits include the primary assemblies and components required while allowing the OEM to manufacture the sheet metal parts and frames, taking advantage of the customer's core competency.

Advanceä L-Frame Outline



TOP VIEW



SECTION 'A' - 'A'

Advanceä L-Frame

- ABB's Advance™ L-Frame is designed to provide efficient interface of the ADVAC™ or AMVAC™ circuit breaker to the OEM frame with the convenience of one piece integration.

Current Transformers

Current Transformers are available as options for various current and accuracy class ratings

Primary Shutters

Primary Supports

Automatic Secondary Disconnect

A single 24-pin secondary disconnect provides ample connection capacity for standard control circuits. An optional dual disconnect accommodates optional control features. Female contacts reside in the cell so that potentially energized control contacts are recessed

Circuit Breaker Grounding

Padlock Provision

Provides lockout capability for inserting the breaker into the connected position

Interference Blocking

Lower Pan

Supports lower assembly components

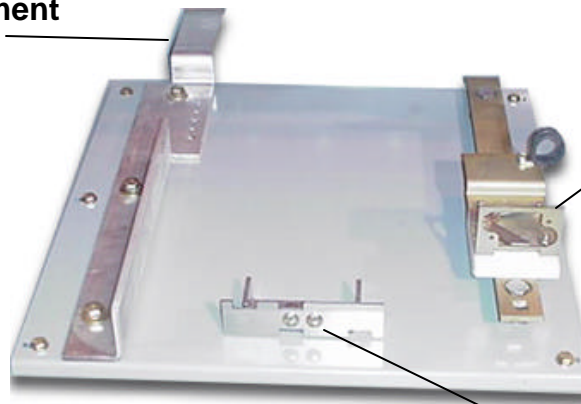
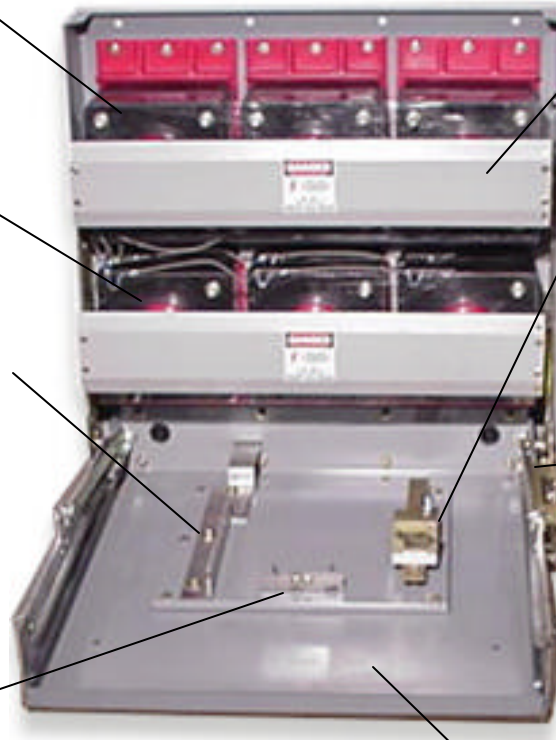
Breaker Compartment Ground Contact

Automatic Secondary Disconnect Assembly

Circuit Breaker Blocking Assembly

FLOOR MOUNTING PAN ASSEMBLY

- The Floor Mounting Pan Assembly is provided as shown. Pre-assembly insures proper alignment of the Automatic Secondary Disconnect Mechanism and includes the Circuit Breaker Blocking Mechanism.



For more information contact your local ABB field sales representative or the OEM marketing group at 1-800-338-1585.

ABB Power Technology

2300 Mechanicsville Road
Florence, SC 29501
Phone + 1-843-665-4144
Fax + 1-843-667-5109
www.abb.com/distribution

ABB Power Technology

655 Century Point
Lake Mary, FL 32746
Phone + 1-407-732-2000
Fax + 1-407-732-2161
www.abb.com/distribution

