

# **Westinghouse Type DS Low Voltage Power Switchgear**

## **The Standard of Performance**



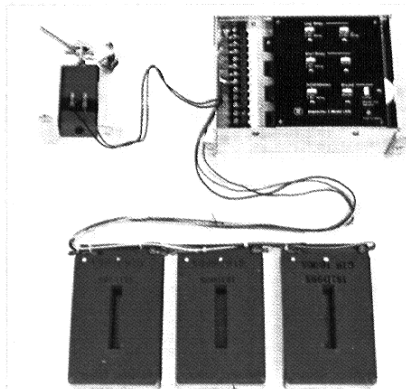
# Reliability

## Low Voltage Power Switchgear Standards

ANSI	
C37.13-1973	Low-Voltage AC Power Circuit Breakers Used in Enclosures (IEEE Std 20-1973)
C37.13a-1975	Low-Voltage AC Integrally Fused Power Circuit Breakers
C37.16-1973	Preferred Ratings, Related Requirements and Application Recommendations for Low-Voltage Power Circuit Breakers and AC Power Circuit Protectors
C37.17-1972	Trip Devices for AC and General-Purpose DC Low-Voltage Power Circuit Breakers
C37.20-1969	Switchgear Assemblies Including Metal-Enclosed Bus (IEEE Std 27-1974) (Includes Supplement C37.20a-1970, C37.20b-1972, C37.20c-1974)
C37.26-1972	Guide for Methods of Power Factor Measurement for Low-Voltage Inductive Test Circuits (IEEE Std 330-1972)
C37.27-1972	Application Guide for Low-Voltage AC Non-Integrally Fused Power Circuit Breakers (Using Separately Mounted Current-Limiting Fuses) (IEEE Std 331-1972)
C37.50-1973	Test Procedures for Low Voltage AC Power Circuit Breakers. Used in Enclosures
C37.50a-1975	Test Procedures for Low Voltage AC Integrally Fused Power Circuit Breakers Used in Enclosures
C37.100-1972	Definitions for Power Switchgear
NEMA	
SG-3-1975	Low-Voltage Power Circuit Breakers
SG-5-1975	Power Switchgear Assemblies

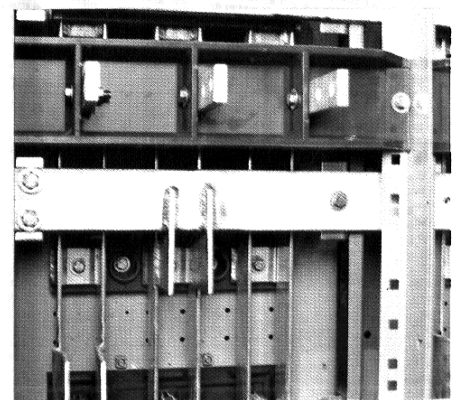
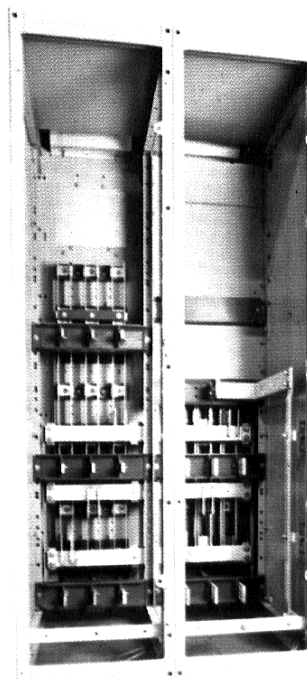
Conformance to industry standards assures a high level of performance to provide the total distribution circuit protection combined with maximum reliability and safety.

These standards permit the specifier, with ease and accuracy, to define a level of performance. Most importantly, this level of performance has been developed by the industry to meet their stated needs.



The Amptector® I static trip system is fully selective and continuously adjustable for all functions.

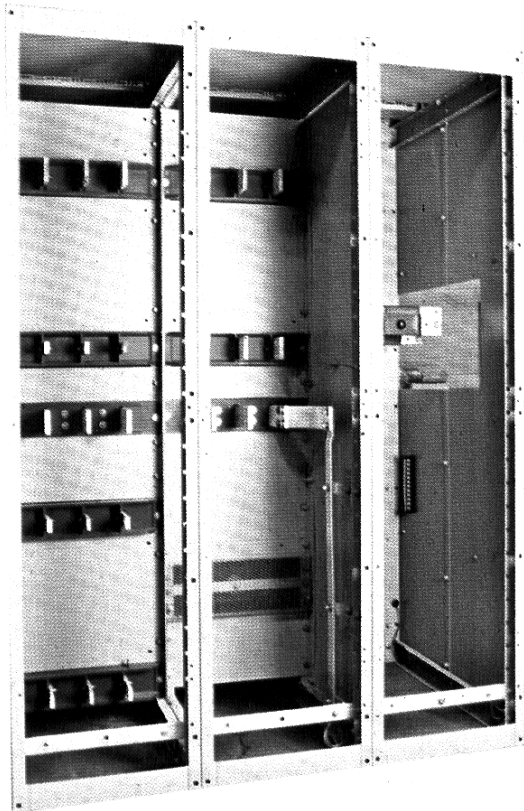
The unit can be field tested and calibrated for reliable coordination with other system devices.



Welded aluminum busses and a coordinated glass polyester insulation system assure continued reliable operation throughout the life of the installation.



# Safety

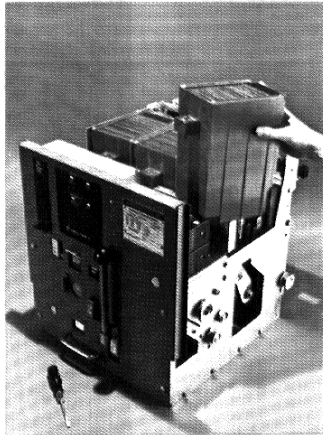


A combination of steel and glass polyester insulation isolates the incoming line from the main bus. This same combination of barriers can be specified to isolate the main bus from the cable connection area. This minimizes fault communication in these areas and affords safety to plant facilities and operating personnel.

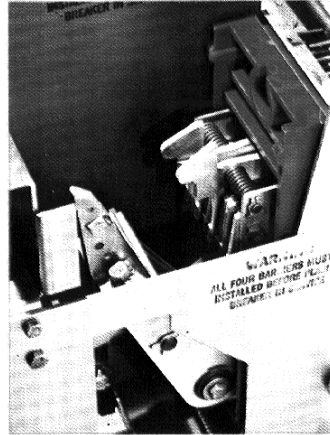


A rugged steel outer door with quick opening latches closes the compartment with the breaker in any position and provides a double steel barrier in front of the breaker. Even with the door open, a full sized metal shield on the breaker face assures that the breaker cannot be racked or operated without properly protecting the operator.

# Maintainability



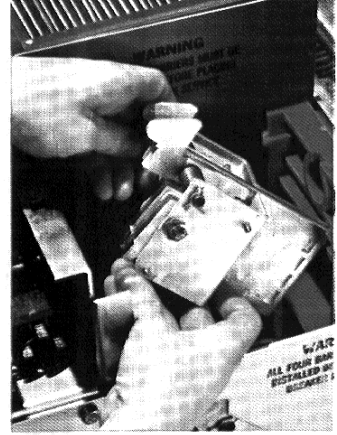
DS Breakers are designed for easy contact inspection and maintenance. The arc chute lifts off by removing one screw. (nothing else to remove)...



Exposing the main and arcing contacts for visual inspection.



Moving contact assembly replacement is simplified by removal of only two readily accessible bolts.



The stationary contact assembly is held by two readily accessible bolts at the rear of the breaker.

Replacement of both sets involves only four bolts...for simplified maintenance.

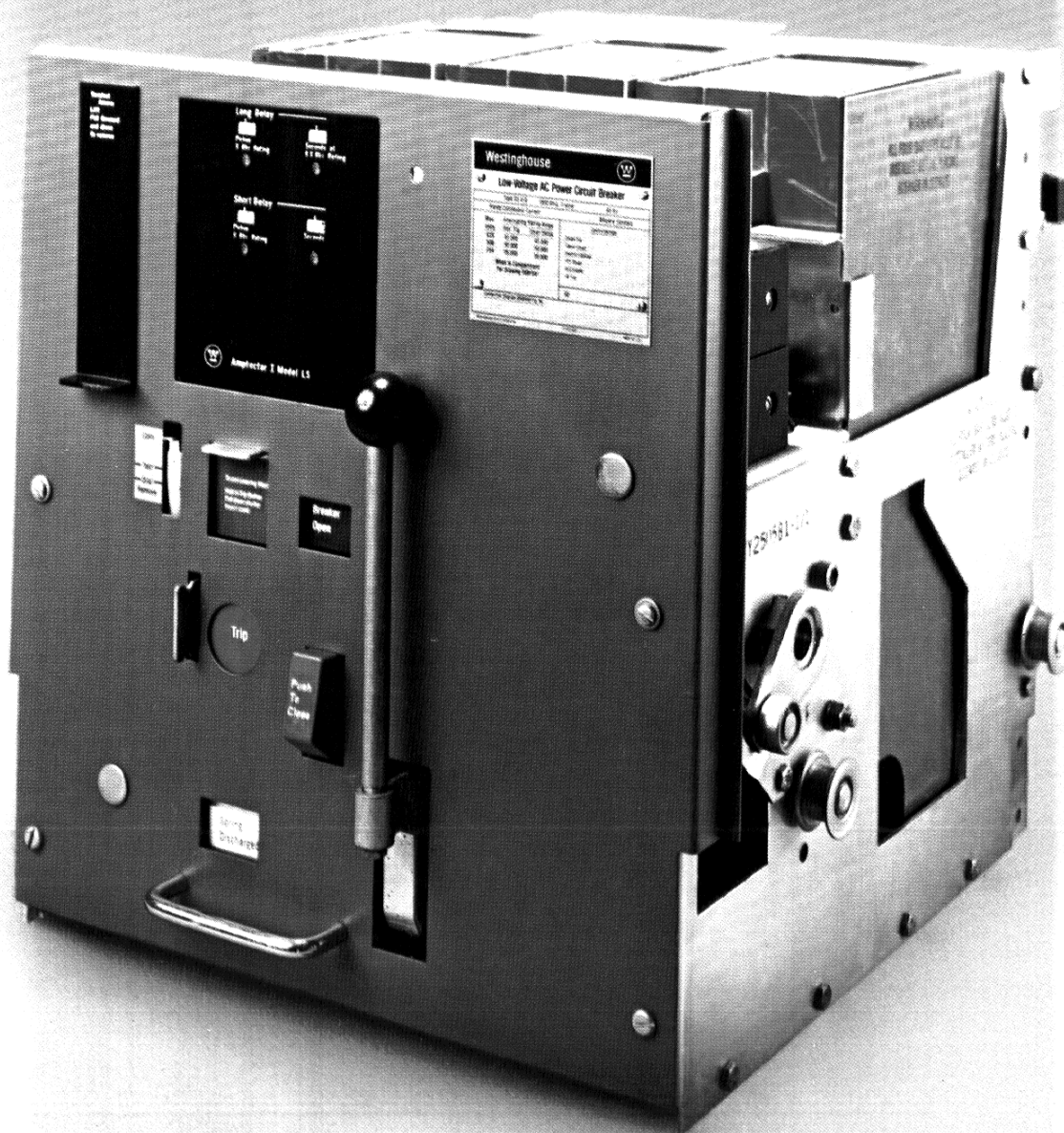
## Westinghouse Type DS Low Voltage Power Switchgear The Standard of Performance

For further information, contact your Westinghouse Sales Office. Ask for Descriptive Bulletin 32-850 and Application Data 32-860.



**Type DS**  
**Low Voltage Power Circuit Breakers**  
per ANSI C37.13

**600 Volts AC**  
**25 to 4,000 Amperes Continuous**  
**22,000 to 200,000 Amperes Interrupting**





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