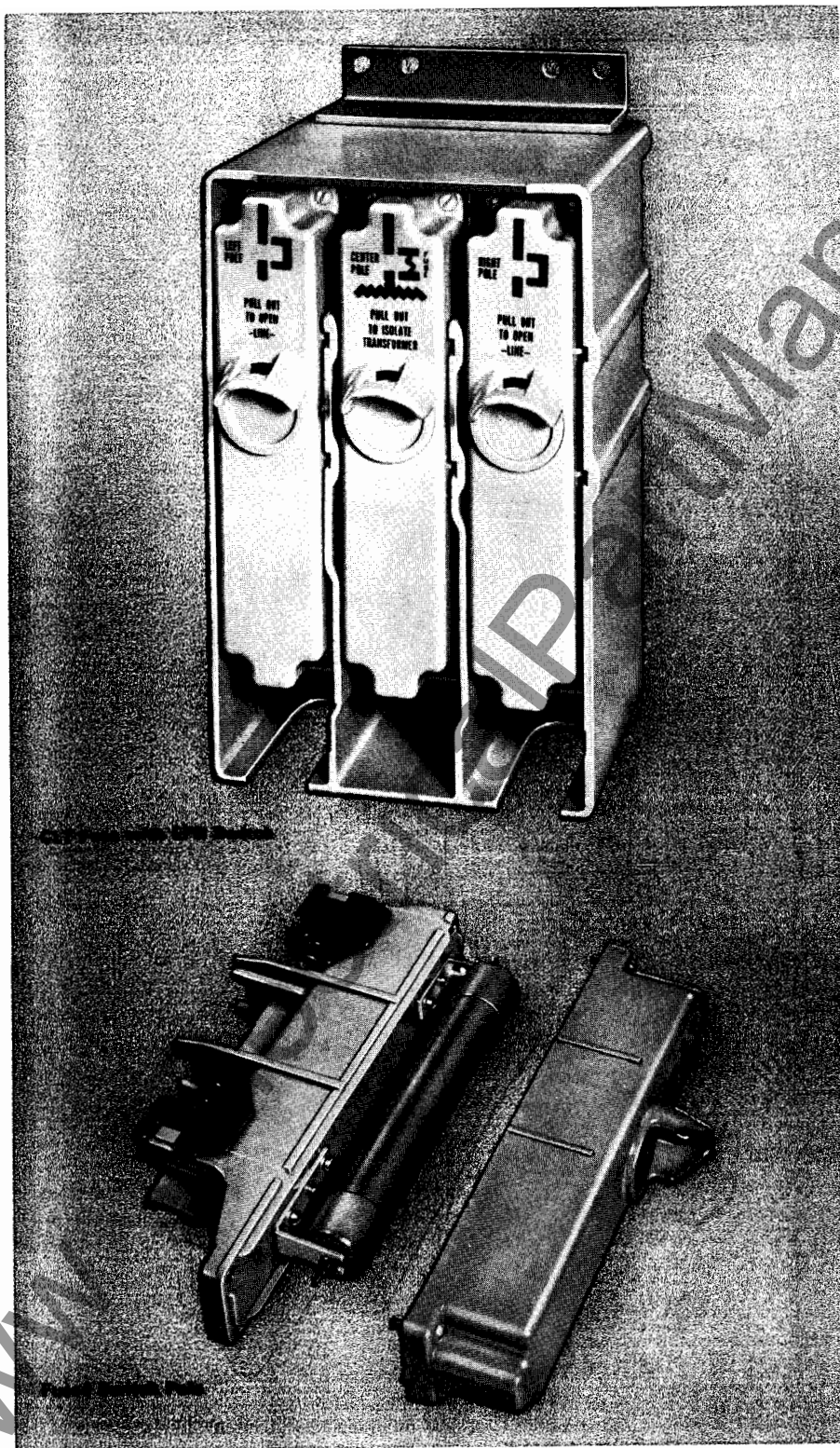# Westinghouse

High Voltage Power Fuses Types CLT (EFD), CLT-1 (EFD), and CLTB

Indoor Current Limiting, 2400 to 15000 Volts
4 to 150 Amperes, 50/60 Cycle

Application

CLT and CLT-1 fuses are used in conjunction with the EFD load break switch which is specifically designed to meet the full switching requirements of underground distribution systems utilizing pad-mounted transformers. The CLT and CLT-1 are current limiting fuses capable of safely interrupting 25,000 amperes RMS symmetrical, for all voltage ratings. These fuses do not expel gases or create noises during the interruption of high vault currents.

CLTB fuse is used in the bushing of pole type transformers and has the same current limiting characteristics as the CLT types of fuses and is also capable of safely interrupting 25,000 amperes RMS symmetrical, for all voltage ratings.
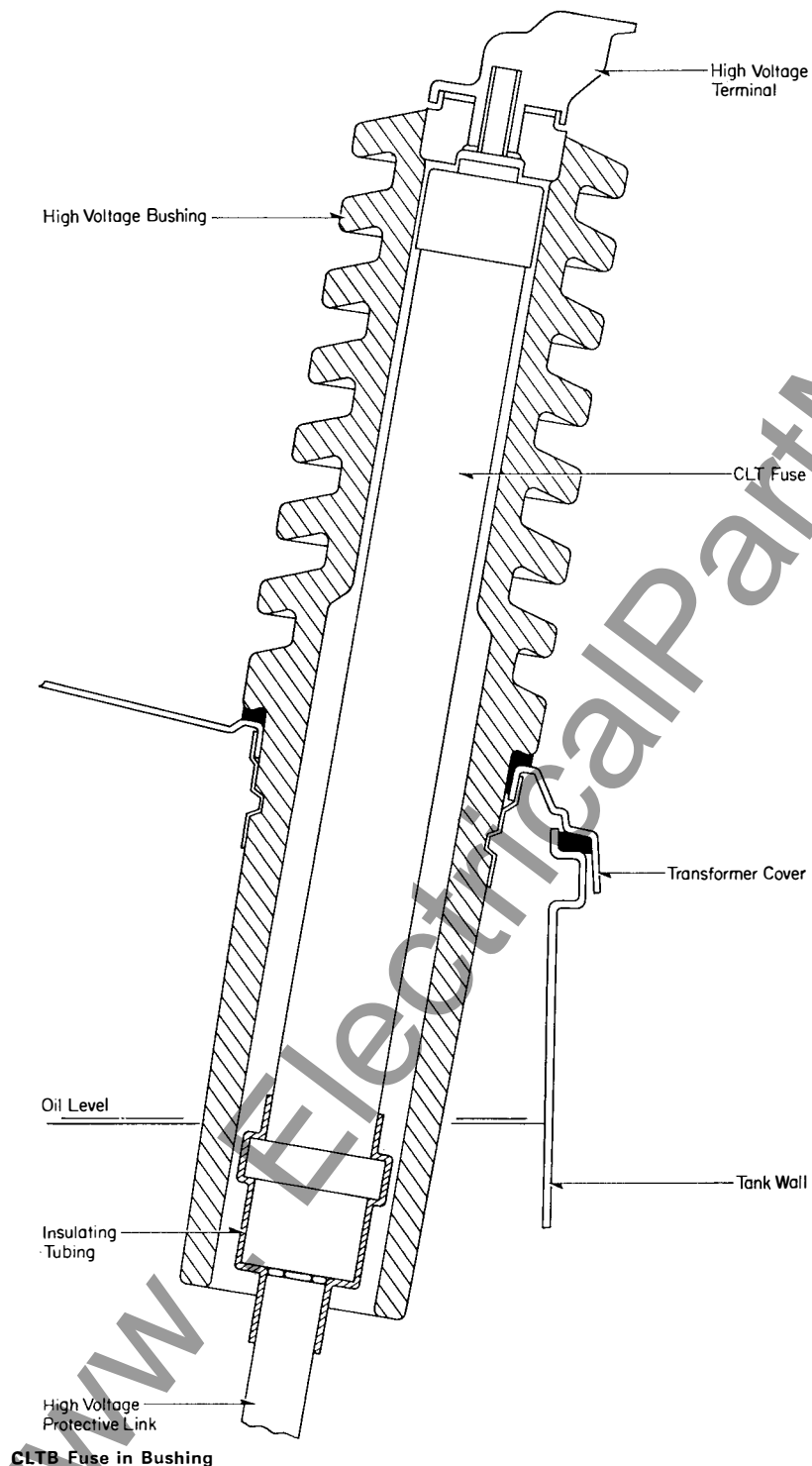
Advantages

Full Range Protection

Space Economy

Quiet Safe Operation

Heat Resistant Outer Casing

High Voltage Power Fuses
Types CLT (EFD), CLT-1 (EFD), and CLTB

Indoor Current Limiting, 2400 to 15000 Volts
4 to 150 Amperes, 50/60 Cycle

Mounting Arrangement of 15 Kv CLTB Fuse and Protective Link

- High Voltage Terminal
- High Voltage Bushing
- CLT Fuse
- Transformer Cover
- Oil Level
- Tank Wall
- Insulating Tubing
- High Voltage Protective Link

CLTB Fuse in Bushing

Construction

CLT, CLT-1 and CLTB types of fuses are basically of inorganic construction, the glass resin outer casing being the only organic material used. These fuses use silver elements which are either bent or spiralled prior to construction. This method of bending or spiralling at regular intervals results in fuse element that is structurally stronger and distributes expansion uniformly. The overall resultant is a fuse which is "fatigue proof" enabling it to stand up under the most severe type of duty cycling without failure.

The fuses are filled with a high purity silica sand of controlled grain size.

Further Information
Price List 36-623
Technical Certification Sheet 36-673

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