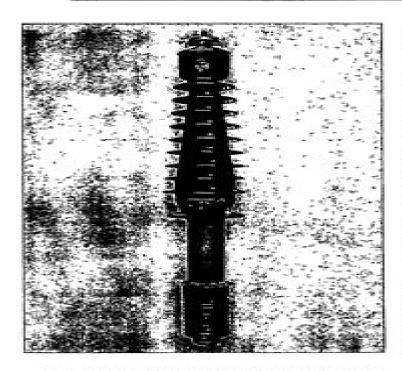


# INSTRUCTIONS

#### OUTDOOR CONDENSER BUSHINGS

Type "O"



THE TYPE "O" CONDENSER BUSHINGS are designed for oil circuit breaker and transformer applications.

Westinghouse bushings for circuit breakers are made by the Circuit Breaker Division at East Pitts-burgh. Pennsylvania, while transformer bushings are middle by the Transformer Division at Sharon Pennsylvania, for this reason identical and interfectangeable bushings will be identified by different drawing numbers or different style numbers. They also will be identified by defending the will be identified by defending a local bushings are different style numbers.

applied to all bushings which are interchangeable with respect to voltage and current rating, internal dimensions and flange mounting.

These bushings have an oil-impregnated kraft paper condenser inside an oil-filled chamber as shown in Fig. 6. This chamber consists of an expansion bowl, an upper porcelain weather casing, a metal mounting flange, a lower porcelain and a bottom terminal porcelain support. All parts are held under pressure by a spring assembly. The entire chamber is sealed. All joints above oil level are sealed by soldering, brazing or welding. Joints between porcelain and metal parts are made with cork-neoprene sealing gaskets encircled by asbestos-neoprene gaskets and held in compression by the springs in the expansion bowl.

The expansion bowls are constructed as shown in Fig. 6-A. All joints are either soldered, brazed, or welded. Heating of parts is prevented by use of non-magnetic materials and insulating against short circuiting paths in the magnetic field.

The upper porcelain weather casing and the lower porcelain are held in place by compression on their ends. Springs of the proper number and dimensions to provide the desired pressure are supplied in the bushings to meet all test requirements and the maximum operating and shipping requirements of the equipment for which the bushings are designed.

The flange is provided with a voltage tags receptacle and oil valve as shown in Figs. 6-D and 6-E.

The bushing is filled with degassed Wemco "C" oil. Sufficient gas space is left in the expansion howl to prevent excessive pressures from being built up by the thermal expansion of the oil. The oil is not exposed to light and the expansion space, is filled under low-pressure with nitrogen so that there is no oxidation of the oil. The prevent reads correctly on the magnetic oil gauge when the bushing is vertical. The reading on the dial will be at a higher co-lower level if the bushing is inclined from the vertical position.

# **Westinghouse Oil Circuit Breakers Instruction Manual**

**D** Keegan

#### **Westinghouse Oil Circuit Breakers Instruction Manual:**

Proceedings of the American Institute of Electrical Engineers, 1928 Vols for 1887 1946 include the preprint pages of the institute s Transactions Westinghouse Catalogue of Electrical Supplies Westinghouse Electric & Manufacturing American Machinist, 1926 Company, 1919 Electrical World ,1910 Catalog of Copyright Entries. Third Series Library of Congress. Copyright Office, 1973 Factory ,1917 Vols 24 no 3 v 34 no 3 include International industrial digest Factory, the Magazine of Management ,1917 Highway Engineer and Contractor. ..., 1922 Engineering and Cement World .1925 Rock Products, 1925 Railway and Locomotive Engineering ,1926 Mining and Metallurgy, 1922 Bi-monthly Bulletin of the American Institute of Mining Engineers ,1922 **Industrial** Engineering ,1928 Electrical Age ,1909 The Coal Trade Bulletin ,1923 Westinghouse Annual Catalogue of Engineering World, 1922 Electrical Supplies ,1919 **Iron Trade and Western Machinist** ,1926 New York Review of the Telegraph and Telephone and Electrical Journal, 1908

The book delves into Westinghouse Oil Circuit Breakers Instruction Manual. Westinghouse Oil Circuit Breakers Instruction Manual is a vital topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Westinghouse Oil Circuit Breakers Instruction Manual, encompassing both the fundamentals and more intricate discussions.

- 1. The book is structured into several chapters, namely:
  - Chapter 1: Introduction to Westinghouse Oil Circuit Breakers Instruction Manual
  - Chapter 2: Essential Elements of Westinghouse Oil Circuit Breakers Instruction Manual
  - Chapter 3: Westinghouse Oil Circuit Breakers Instruction Manual in Everyday Life
  - Chapter 4: Westinghouse Oil Circuit Breakers Instruction Manual in Specific Contexts
  - ∘ Chapter 5: Conclusion
- 2. In chapter 1, the author will provide an overview of Westinghouse Oil Circuit Breakers Instruction Manual. The first chapter will explore what Westinghouse Oil Circuit Breakers Instruction Manual is, why Westinghouse Oil Circuit Breakers Instruction Manual is vital, and how to effectively learn about Westinghouse Oil Circuit Breakers Instruction Manual.
- 3. In chapter 2, the author will delve into the foundational concepts of Westinghouse Oil Circuit Breakers Instruction Manual. This chapter will elucidate the essential principles that need to be understood to grasp Westinghouse Oil Circuit Breakers Instruction Manual in its entirety.
- 4. In chapter 3, this book will examine the practical applications of Westinghouse Oil Circuit Breakers Instruction Manual in daily life. This chapter will showcase real-world examples of how Westinghouse Oil Circuit Breakers Instruction Manual can be effectively utilized in everyday scenarios.
- 5. In chapter 4, this book will scrutinize the relevance of Westinghouse Oil Circuit Breakers Instruction Manual in specific contexts. This chapter will explore how Westinghouse Oil Circuit Breakers Instruction Manual is applied in specialized fields, such as education, business, and technology.
- 6. In chapter 5, this book will draw a conclusion about Westinghouse Oil Circuit Breakers Instruction Manual. This chapter will summarize the key points that have been discussed throughout the book.
  - This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Westinghouse Oil Circuit Breakers Instruction Manual.

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#### FAQs About Westinghouse Oil Circuit Breakers Instruction Manual Books

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