

IEEE Standard Bar Coding for Distribution Transformers and Step-Voltage Regulators

IEEE Power and Energy Society

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Transformers Committee

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IEEE Standard Bar Coding for Distribution Transformers and Step-Voltage Regulators

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**Transformers Committee
of the
IEEE Power and Energy Society**

Approved 23 August 2013

IEEE-SA Standards Board

Abstract: Bar code label requirements for specific types of distribution transformers and step-voltage regulators are covered in this standard. Data content for temporary and permanent bar-code labeling is described as well as bar-code label print quality and durability requirements.

Keywords: bar-code label, distribution transformer, IEEE C57.12.35™, step-voltage regulator

The Institute of Electrical and Electronics Engineers, Inc.
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PDF: ISBN 978-0-7381-8640-5 STD98383
Print: ISBN 978-0-7381-8641-2 STDPD98383

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Introduction

This introduction is not part of IEEE Std C57.12.35-2013, IEEE Standard Bar Coding for Distribution Transformers and Step-Voltage Regulators.

This standard describes requirements for bar-code labels on distribution transformers and step-voltage regulators when specified by users. The intent of the bar coding described in this standard is to provide basic identification information for a transformer or step-voltage regulator and as an aid in linking to more detailed information about the transformer or regulator that may reside in a utility company's central database. This standard describes requirements for a permanent bar-code label that may be part of the nameplate as well as for a temporary bar-code label intended primarily for material management purposes.

Requirements described in this standard address bar-code label format, desired location of labels on specific types of transformers and step-voltage regulators, and performance requirements of the bar-code labels. To the extent possible, industry standard bar-code specifications and test methods are described. Use of this standard will promote standardization and uniformity in the use of bar-code labels on distribution transformers and step-voltage regulators.

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1. Overview

1.1 Scope

This standard sets forth bar-code label requirements for overhead, pad-mounted, and underground-type distribution transformers and step-voltage regulators. Included herein are requirements for data content, symbology, label layout, print quality, and label life expectancy. This standard assumes the existence of central transformer databases within utility companies so that bar-code labels need only carry basic transformer identification data.

1.2 Purpose

The purpose of this standard is to promote standardization and uniform use of bar-code labels on distribution transformers and step-voltage regulators when specified by the user. In the longer term, it is hoped that the bar codes provided as a result of this standard will serve as an integral part of electrical utility material and information management systems.