

IEEE Guide for Liquid-Immersed Transformers Through-Fault- Current Duration

IEEE Power and Energy Society

Sponsored by the
Transformers Committee

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USA

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Abstract: Recommendations believed essential for the application of overcurrent protective devices applied to limit the exposure time of transformers to short circuit current are set forth. Transformer coordination curves are presented for four categories of transformers. There is no intent to imply overload capability.

Keywords: IEEE C57.109™, liquid-immersed transformer, transformer

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Introduction

This introduction is not part of IEEE Std C57.109-2018, IEEE Guide for Liquid-Immersed Transformers Through-Fault-Current Duration.

This is the first revision since the guide was revised in 1993. The changes are largely editorial as most of the content of the guide remains unchanged from the 1993 revision. All of the figures were duplicated using newer computer systems to add clarity and more detail. All of the normative references were updated to the new IEEE format and all references throughout the guide to specific standards by year of publication were removed unless required for historical reference. [Table 4](#) and [Table 5](#) were updated with the latest values from IEEE C57.12.00-2015. A bibliography was added to the document as [Annex A](#).

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