

An American National Standard

IEEE Standard for Low-Voltage AC Power Circuit Protectors Used in Enclosures

Sponsor
**Switchgear Committee
of the
IEEE Power Engineering Society**

Secretariat

**Institute of Electrical and Electronics Engineers, Inc.
National Electrical Manufacturers Association**

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Foreword

(This Foreword is not a part of ANSI/IEEE C37.29-1981, IEEE Standard for Low-Voltage AC Power Circuit Protectors Used in Enclosures.)

This standard supersedes ANSI C37.29-1974 and IEEE Std 508-1974. It has been revised to reflect changes in the related ANSI/IEEE C37.13-1981. Section 9. of this standard, Test Procedures, constitutes a separate standard, ANSI C37.52-1974 (R1980). The power circuit protectors described in this standard are based on low-voltage ac power circuit breakers covered by ANSI/IEEE C37.13-1981, although power circuit protectors based on molded case circuit breakers may also meet the requirements of this standard.

The Standards Committee on Power Switchgear, C37, which reviewed and approved this Guide, had the following personnel at the time of approval:

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IEEE Standard for Low-Voltage AC Power Circuit Protectors Used in Enclosures

1. Scope

This standard covers enclosed low-voltage ac power circuit protectors:

- 1) Stationary type of 2-pole or 3-pole construction
- 2) Having one or more rated maximum voltages of 508 V and 254 V rms for application on systems having nominal voltages of 480 V and 240 V rms
- 3) Manually operated or power operated
- 4) With current limiting fuses such that the entire device is suitable for application on circuits capable of delivering not more than 200 000 A rms symmetrical short-circuit current.

NOTE — In this standard, the use of the words *circuit protector* shall be considered to mean enclosed *low-voltage ac power circuit protector*.

2. References

When the American National Standards referred to in this standard are superseded by a revision approved by the American National Standards Institute, Inc, the revision shall apply.

[1] ANSI C37.16-1980, American National Standard Preferred Ratings, Related Requirements and Application Recommendations for Low-Voltage Power Circuit Breakers and AC Power Circuit Protectors.¹

[2] ANSI C37.52-1974 (R1980), American National Standard Test Procedures for Low-Voltage AC Power Circuit Protectors Used in Enclosures.

[3] ANSI/IEEE C37.20-1969, IEEE Standard for Switchgear Assemblies Including Metal-Enclosed Bus. (1974 Consolidated Edition includes supplements a, b, c, and d.)

[4] ANSI/IEEE C37.100-1981, IEEE Standard Definitions for Power Switchgear.

[5] IEEE Std 4-1978, IEEE Standard Technique for High-Voltage Testing.

[6] IEEE Std 141-1976, IEEE Recommended Practice for Electric Power Distribution for Industrial Plants.

¹ANSI documents are available from the American National Standards Institute, 1430 Broadway, New York, NY 10018.