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American Standard

Low-Voltage AC Power Circuit Breakers (600-Volt Insulation Class)

Sponsor

Electrical Standards Board

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Foreword

[This Foreword is not a part of American Standard Low-Voltage AC Power Circuit Breakers (600-Volt Insulation Class), C37.13-1963].

This publication is one of a series of complementary American Standards:

American Standard Low-Voltage AC Power Circuit Breakers (600-Volt Insulation Class), C37.13-1963.

American Standard for Low-Voltage DC Power Circuit Breakers, C37.14. (C37.14 is being developed by Sectional Committee C37 and when approved will be published as a part of this group.)

American Standard Rated Control Voltages and Their Ranges for Low-Voltage Air Circuit Breakers, C37.15-1954 (Reaffirmed 1961).

American Standard Preferred Ratings and Related Requirements for Low-Voltage Power Circuit Breakers, C37.16-1963. (Ratings for dc circuit breakers will be added after C37.14 is developed.)

American Standard on Tripping Devices (Opening Releases) for Alternating- and Direct-Current Low-Voltage Power Circuit Breakers, C37.17-1962.

American Standard Safety Requirements for Low-Voltage AC Power Circuit Breakers and Switchgear Assemblies, C37.19-1963.

American Standard for Switchgear Assemblies and Metal-Enclosed Bus, C37.20-1955. (This standard is under revision.)

This publication (C37.13-1963) represents standard practice in the United States relating to low-voltage ac power circuit breakers. It specifically does not apply to molded-case circuit breakers.

This standard was first published in 1951 as AIEE¹ Publication No. 20. The first American Standard was published in 1954 when use was made of the material in AIEE No. 20. The basic material for C37.13-1963, which replaces C37.13-1954 and C37.14-1954, was developed by the AIEE Switchgear Committee. The rated short-circuit current of circuit breakers covered in this standard is expressed in symmetrical amperes, as compared to total rms (root-mean-square) current in previous issues of American Standards.

Reference should be made to C37.15-1954 (Reaffirmed 1961) for control voltages and their ranges and to C37.16-1963 for preferred ratings, endurance performance test, fault current limitations for two-step cascading application, application limitation relating to repetitive duty and normal maintenance, and application to full-voltage motor starting and running duty.

American Standards are subject to periodic review. Users are cautioned to secure the latest edition. Suggestions for improvement gained in the use of this standard will be welcome. They should be sent to the American Standards Association, Incorporated, 10 East 40th Street, New York, N. Y. 10016.

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

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