

American Standard Safety Requirements for
Low-Voltage AC Power Circuit Breakers
and Switchgear Assemblies

Sponsor

Electrical Standards Board

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Foreword

(This Foreword is not a part of American Standard Safety Requirements for Low-Voltage AC Power Circuit Breakers and Switchgear Assemblies, C37.19-1963.)

This publication provides information concerning safety considerations for the rating, application, construction, installation, operation, and maintenance for low-voltage ac power circuit breakers and low-voltage ac power switchgear assemblies, within the scope of the ASA Sectional Committee on Power Switchgear, C37.

This standard is designed to provide a guide for the satisfactory installation of electrical equipment within its scope, and the installation and maintenance of such equipment in accordance with the following requirements and recommendations should provide insurance for the protection of personnel, buildings, and equipment from injury and damage.

In commercial and industrial installations, where low-voltage ac power circuit breakers and low-voltage ac power switchgear assemblies are usually installed, the protective and distribution equipment is characterized by high continuous current requirements, high interrupting requirements, or both. These systems are usually engineered systems designed specifically for the requirements of the installation. The ratings of the products and equipment used in these systems are selected and coordinated by competent engineers who are familiar with the characteristics of both the system and equipment.

This standard is based upon records of tests, the growth of the art in designing switchgear, and many years of field experience. It is subject to revision as further experience and investigation show this to be necessary or desirable.

The equipment covered in this standard is used for the protection of distribution and utilization circuits, service entrance, motors, and other electrical equipment.

This publication is one of a series of complimentary 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.)

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:

V. L. COX, *Chairman*

O. B. VIKOREN, *Secretary*

<i>Organization Represented</i>	<i>Name of Representative</i>
American Institute of Electrical Engineers	J. W. GRAFF E. J. HARRINGTON H. L. LOWE R. C. VAN SICKLE C. A. WOODROW R. E. FRIEDRICH (<i>Alt</i>) J. H. VIVIAN (<i>Alt</i>)
Association of American Railroads	W. O. MULLER
Association of Iron and Steel Engineers	T. S. NOVAK
Electric Light and Power Group	HARRIS BARBER OSCAR BAUHAN R. G. MEYERAND R. L. WEBB J. P. MARKEY (<i>Alt</i>) R. R. WAGSTAFF (<i>Alt</i>)
National Electrical Manufacturers Association	V. L. COX L. L. FOUNTAIN A. W. HILL G. N. LESTER PAUL M. ROSS B. K. STURGIS L. W. DYER (<i>Alt</i>)
Tennessee Valley Authority	R. M. MILTON
U. S. Department of the Army (<i>Liaison</i>)	WILLIAM K. CAVE
U. S. Department of the Interior, Bureau of Reclamation	D. C. MILLARD
U. S. Department of the Navy, Bureau of Yards and Docks	C. D. FRIDAY

This standard was developed by the National Electrical Manufacturers Association. Review and coordination of this standard was accomplished by the Subcommittee on Low-Voltage Distribution Circuit Breakers and Equipment, ASA Sectional Committee on Power Switchgear, C37. The personnel of this Subcommittee was as follows:

B. S. BEALL III, *Chairman*

O. J. ALBANI
C. E. ASBURY
R. N. BELL, JR
L. W. DYER

L. L. FOUNTAIN
C. R. JOY
W. E. LAUBACK
J. G. WERNER

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