

ANSI C37.53.1-1989(R1996)

(Revision of ANSI C37.53.1-1982)

American National Standard High-Voltage Current-Limiting Motor-Starter Fuses — Conference Test Procedures

Approved 1/25/89

American National Standards Institute, Inc.

The Institute of Electrical and Electronics Engineers, Inc.
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Foreword

(This Foreword is not part of American National Standard C37.53.1-1989.)

The High Voltage Apparatus Coordinating Committee (HVACC) was established July 24, 1973 by the Electrical and Electronic Technical Advisory Board of the American National Standards Institute. In 1982, the advisory board was superseded by the Electrical and Electronic Standards Board. The responsibility assigned to HVACC was to review and evaluate existing ANSI-approved standards and other related standards for the purpose of developing a “Draft Standard” for unit substations and recommendations for (1) correlating the requirements of these standards and (2) adding requirements to these standards appropriate for product evaluation.

This standard results from the evaluation of existing ANSI-approved standards and from the need to add requirements to these standards for the evaluation and conformance certification of high-voltage motor-starter fuses.

The intent of this standard is to allow qualification of high-voltage motor-starter fuses for use in accordance with the American National Standard National Electrical Code, ANSI/NFPA 70-1987. However, this standard does not cover installations under the exclusive control of electric utilities and is not intended to cover application, installation, or operation of high-voltage motor-starter fuses.

This 1989 revision of the standard was developed to modify Section 5. (Production Monitoring) and to update other sections.

Suggestions for improvement of this standard are welcome. They should be sent to the National Electrical Manufacturers Association, 2101 L Street, NW, Washington, DC 20037.

This standard was processed and approved for submittal to ANSI by Accredited Standards Committee on Power Switchgear, C37. Committee approval of the standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the C37 Committee had the following members:

W. E. Laubach, Chair
A. K. McCabe, Executive Vice-Chair (*High-Voltage Standards*)
S. H. Telander, Executive Vice-Chair (*Low-Voltage Standards*)
D. L. Swindler, Executive Vice-Chair (*International Electrotechnical Commission Activities*)
C. H. White, Secretary
M. B. Williams (*Program Administrator*)

<i>Organization Represented</i>	<i>Name of Representative</i>
Association of Iron and Steel Engineers	J. M. Tillman
Electric Light and Power Group	R. L. Capra (Chair) D. A. Ditzler K. D. Hendrix J. H. Provanzana D. E. Soffrin D. T. Weston G. R. Brandenberger (Alt) T. E. Bruck (Alt)
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Tennessee Valley Authority	R. B. Rotton
Testing Laboratory Group	L. Frier W. T. O'Grady R. W. Seelbach (Alt)
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U.S. Department of the Army — Office of the Chief of Engineers	W. M. Jones
U.S. Department of the Interior — Bureau of Reclamation	J. W. Reif
U.S. Department of the Navy — Naval Construction Battalion Center	R. L. Clark
Western Area Power Administration	G. D. Birney

The C37 Subcommittee on Certification Test Procedures, which reviewed and approved this standard, had the following members:

W. E. Laubach, *Chair*

P. Clickner
N. Davies
R. A. McMaster

M. E. Newman
A. J. Schaeffer

E. G. Rapske
R. W. Seelbach
S. H. Telander

The Working Group of the HVACC Subcommittee on High-Voltage Fuses, which developed the major portion of this standard, had the following members:

R. H. Arndt, *Chair*

R. H. Amundson
J. G. Angelis
E. H. Arjeski

R. E. Bennett
F. L. Cameron
H. H. Fahnoe

G. P. Gill
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W. H. Russell