



ANSI/NEMA C12.9-2005

American National Standard for Test Switches for Transformer- Rated Meters



National Electrical Manufacturers Association
1300 North 17th Street, Suite 900 • Rosslyn, VA 22209
www.NEMA.org





ANSI C12.9-2005

American National Standard

for Test Switches for
Transformer-Rated Meters



ANSI C12.9-2005
Revision of
ANSI C12.9-1987

American National Standard
For Test Switches for Transformer-Rated Meters

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute, Inc.

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Foreword (This Foreword is not part of American National Standard C12.9-2005.)

This standard is a revision of American National Standard for Test Switches for Transformer-Rated Meters, ANSI C12.9-1987.

This standard was developed by the Accredited Standards Committee on Electricity Metering, C12, for full consensus approval as an American National Standard. This revised version supersedes ANSI C12.9-1987.

This standard covers the dimensions and functions of meter test switches for transformer-rated watt-hour meters when used in conjunction with instrument transformers.

Suggestions for improvements of this standard will be welcomed. They should be in the form of a proposed change of text, together with appropriate supporting comments.

Comments on standards and requests for interpretations should be addressed to:

ANSI Committee C12 Secretary
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, Virginia 22209

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Independent Members:

B. Hughes

A. Moise

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Organization Represented:

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J. McEvoy

Florida Power and Light Company

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For Test Switches for Transformer-Rated Meters

1 Scope

This standard is intended to encompass the dimensions and functions of meter test switches used with transformer-rated watt-hour meters in conjunction with instrument transformers.

2 Definitions

2.1 short-circuiting switch: A single-pole double-throw (make-before-break) transfer switch used to transfer current away from the meter.

2.2 test jack: A spring-jaw receptacle in the current element of a test switch that provides a bipolar test connection in the metering current circuit without interruption of the current circuit.

2.3 test jack switch: A single-pole single-throw disconnect switch used in conjunction with a test jack to provide a parallel current path during normal operating conditions.

2.4 test plug: A bipolar mating plug to a test jack for inserting instrumentation into the metering current circuit.

2.5 voltage switch: A single-pole single-throw switch used to open or close a voltage circuit.

3 Standard ratings

3.1 Current

The current rating shall be 20 A minimum.

3.2 Voltage

The voltage rating shall be 300 V or 600 V.

4 General requirements

4.1 Material and workmanship

The test switch and its components shall be substantially constructed of suitable material in a workmanlike manner.

4.2 Nameplates

Nameplates are not required on these test switches, but a manufacturer's identifying marking (such as catalog number, trademark, etc.) shall be stamped, printed, affixed, or cast in a convenient place on each test switch. When required, a warning label indicating hidden internal jumpers should be affixed.