NEMA Standards Publication



ANSI/NEMA C29.7-1996 (R2002, R2012)

American National Standard for Wet Process Porcelain Insulators - High-Voltage Line - Post Type

National Electrical Manufacturers Association

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ANSI/NEMA C29.7-1996 (R2002, R2012)

American National Standard

Wet Process Porcelain Insulators—High-Voltage Line-Post Type

Secretariat:

National Electrical Manufacturers Association

Approved: August 2012
Published: May 20, 2013

American National Standards Institute, Inc.

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Published by

National Electrical Manufacturers Association
1300 North 17th Street, Rosslyn, VA 22209

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FOREWORD

(This foreword is not part of American National Standard C29.7-1996 (R2002, R2012))

This standard is periodically reviewed for any revisions to keep it current with advancing technology. Suggestions for improvement of this standard will be welcome. They should be sent to National Electrical Manufacturers Association, 1300 North 17th Street, Suite 1752, Rosslyn, VA 22209.

This standard was processed and approved for submittal to ANSI by Accredited Standards Committee on Insulators for Electric Power Lines, C29. Committee approval of the standard does not necessarily imply that all committee members voted for approval. At the time it approved this standard, the ASC C-29 Committee had the following members:

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TABLE OF CONTENTS

Page

FOREWORD iv

1 SCOPE 1

2 REFERENCED AMERICAN NATIONAL STANDARDS 1

3 DEFINITIONS 1

4 GENERAL 1

5 MATERIALS 1

6 DIMENSIONS AND CHARACTERISTICS 2

7 MARKING 5

8 SAMPLING, INSPECTION, AND TESTS 5

8.1 General 5
8.2 Design Tests 5
8.2.1 Low-frequency Dry Flashover Test 5
8.2.2 Low-frequency Wet Flashover Test 5
8.2.3 Critical Impulse Flashover Test–Positive 5
8.2.4 Radio-influence Voltage Test 5
8.2.5 Thermal Shock Test 5
8.3 Quality Conformance Tests 6
8.3.1 Visual and Dimensional Tests 6
8.3.2 Porosity Test 6
8.3.3 Galvanizing Test 6
8.3.4 Cantilever-Strength Test 6
8.4 Routine Tests 6
8.4.1 Routine Flashover Test 6
8.4.2 Routine Cantilever Test 6

TABLES

1 Dimensions and Characteristics of Line Post Insulators 3
2 Neck Designations and Dimensions 5

FIGURES

1 CLASSES 57-1, 57-2, AND 57-3 7
2 CLASSES 57-4, 57-5, AND 57-6 8
3 CLASSES 57-11, 57-12, 57-13, 57-14, 57-15, AND 57-16 9
4 CLASSES 57-21, 57-22, 57-23, 57-24, 57-25, AND 57-26 10
5 CLASSES 57-31, 57-32, 57-33, 57-34, 57-35, AND 57-36 10
6 CAP DIMENSIONS-VERTICAL CLAMP 11
7 CAP DIMENSIONS-HORIZONTAL CLAMP 12
8 CAP GAUGE 13
9 BASE RECESS AND THREAD DIMENSIONS 14
10 GAIN BASE DETAILS 15

APPENDIX 16

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AMERICAN NATIONAL STANDARD **ANSI/NEMA C29.7-1996 (R2002, R2012)**

Wet Process Porcelain Insulators—High-Voltage Line-Post Type

1 SCOPE

This standard covers high-voltage line-type insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

2 REFERENCED AMERICAN NATIONAL STANDARDS

This standard is intended for use in conjunction with the following American National Standards. When these standards are superseded by a revision approved by the American National Standards Institute, Inc. the revision shall apply.

ANSI C29.1-1988 (R2012) *Test Methods for Electrical Power Insulators*

ANSI Z55.1-1967 (R1973) *American National Standard Gray Finishes for Industrial Apparatus and Equipment*

ASTM A153-82 *Specification for Zinc Coating (Hot Dip) on Iron and Steel Hardware*

3 DEFINITIONS

3.1 See section 2 of ANSI C29.1-1988 (R2012) for definitions of terms.

3.2 As used in the title and elsewhere in this standard, the term *insulator* or *insulators* shall mean any of the assemblies shown whether they consist of a single piece of porcelain together with its metal parts or of two or more such porcelains bolted together to form a rigid assembly.

As used in this standard, the term *unit, units, insulator unit,* or *insulator units* shall mean any single-piece porcelain assembly together with its metal parts.

4 GENERAL

4.1 Insulators shall conform in all respects to the requirements of this standard. The text and figures supplement each other and shall be considered part of this standard.

4.2 Manufacturer's drawings, if furnished, shall show the outline of the insulators, together with all pertinent dimensions. Any variations in these dimensions due to manufacturing tolerances shall be indicated.

5 MATERIAL

5.1 The insulators shall be made of good commercial-grade wet-process porcelain.

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