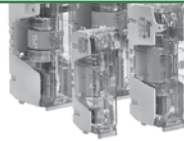


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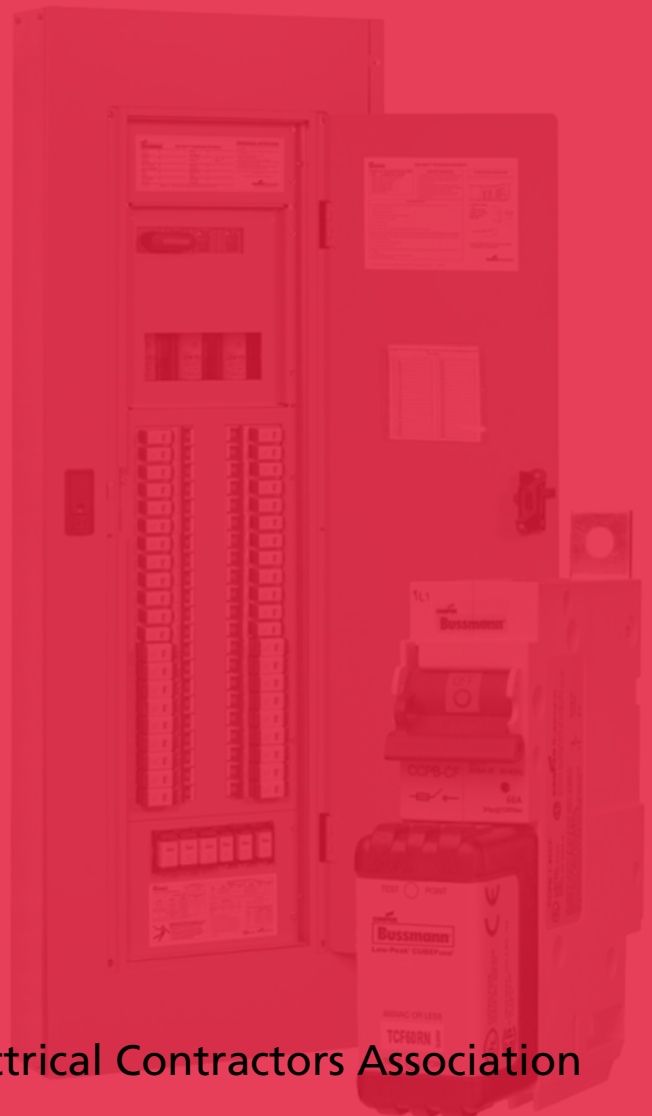


NECA 420-2014

Standard for

Fuse Applications

AN AMERICAN NATIONAL STANDARD



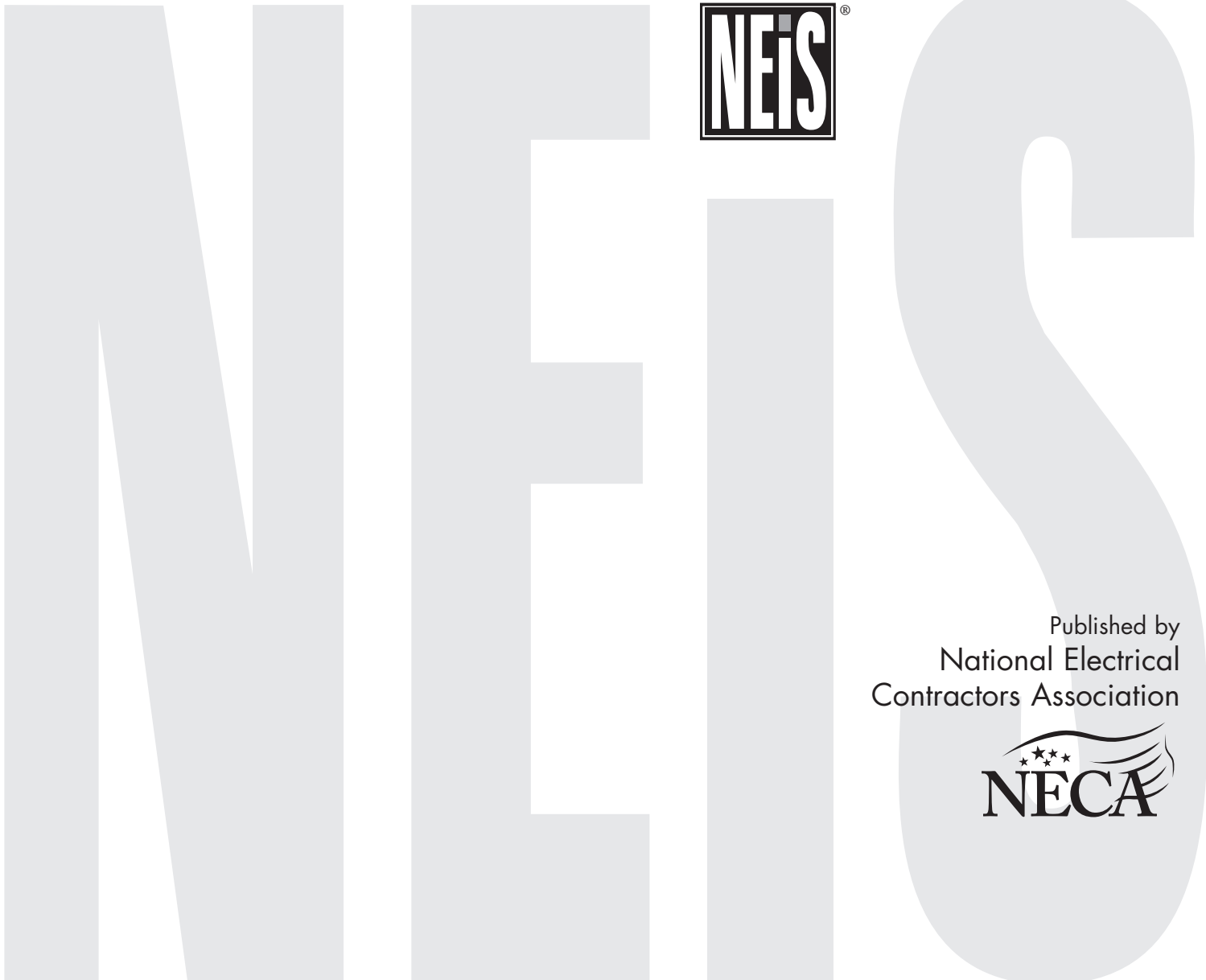
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Revision History	
NECA 402-2007	06/2007
NECA 402-2014	03/2014

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(This foreword is not a part of the standard)

Foreword

National Electrical Installation Standards™ (NEIS®) are designed to improve communication among specifiers, purchasers, and suppliers of electrical construction services. They define a minimum baseline of quality and workmanship for installing electrical products and systems. *NEIS* are intended to be referenced in contract documents for electrical construction projects. The following language is recommended:

Low-voltage, medium-voltage, and high-voltage fuses shall be installed in accordance with NECA 420, *Standard for Fuse Applications* (ANSI).

Use of *NEIS* is voluntary, and the National Electrical Contractors Association assumes no obligation or liability to users of this publication. Existence of a standard shall not preclude any member or nonmember of NECA from specifying or using alternate construction methods permitted by applicable regulations.

The installation and maintenance practices recommended by this publication are intended to comply with the edition of the National Electrical Code® (NEC) in effect at the time of publication. Because they are quality standards, *NEIS* may in some instances go beyond the minimum safety requirements of the NEC. It is the responsibility of users of this standard to comply with state and local electrical codes when installing electrical products and systems.

Suggestions for revisions and improvements to this standard are welcome. They should be addressed to:

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1. Scope

1.1 Products and Applications Included

This standard describes application and installation practices and procedures for low-voltage fuses. This publication applies to all classifications of fuses used for overcurrent protection of distribution, utilization, and control equipment used for power, heating, and lighting loads for commercial, institutional, and industrial use in nonhazardous indoor and outdoor locations.

It also covers periodic routine maintenance and troubleshooting procedures for fuses, and special procedures used after adverse operating conditions, such as overcurrents, ground-faults, or exposure to water or other liquids.

1.2 Regulatory and Other Requirements

a) All information in this publication is intended to conform to the National Electrical Code (ANSI/NFPA Standard 70). Installers should always follow the NEC®, applicable state and local codes, and manufacturers' instructions when installing electrical equipment and systems..

b) Only qualified persons as defined in the NEC familiar with the construction and installation and operation of fuses should perform the technical work described in this publication. Administrative functions and other tasks can be performed under the supervision of a qualified person. All work should be performed in accordance with NFPA 70E, *Standard for Electrical Safety in the Workplace*.

c) General requirements for installing electrical products and systems are described in NECA 1-2010, *Standard Practices for Good Workmanship in Electrical Construction* (ANSI). Other National Electrical Installation Standards provide additional guidance for installing particular types of electrical products and systems. A complete list of *NEIS* is provided in Annex B.