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ULC/ORD-C634:2016

CONNECTORS AND SWITCHES FOR USE WITH BURGLAR ALARM SYSTEMS

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FOREWORD

Certification organizations are periodically requested to promptly provide certification services for devices, constructions, materials and systems where Canadian recognized Standards do not currently exist or are not entirely applicable. Accordingly, the certification organization utilizes its experience, existing specifications and requirements in related areas, together with assistance from its advisory councils to develop and prepare Other Recognized Documents (ORDs) for use in conducting the necessary tests and evaluation investigation.

Underwriters Laboratories of Canada has prepared many ORDs in response to requests from, and in conjunction with, industry, code writing bodies, regulatory agencies and others prior to promulgating a certification program. In many instances such documents have become published ULC Standards and subsequently National Standards of Canada. It is the intention of Underwriters Laboratories of Canada to continue this practice, as appropriate.

Comments on the content of this ORD should be directed to the Head Office of Underwriters Laboratories of Canada, 7 Underwriters Road, Toronto, Ontario, Canada, M1R 3A9.

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CONNECTORS AND SWITCHES FOR USE WITH BURGLAR ALARM SYSTEMS

PREFACE

This is the Second Edition of the Other Recognized Document Connectors and Switches for Use with Burglar Alarm Systems, ULC-ORD-C634.

Only metric SI units of measurement are used in this ORD. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Appendix A, identified as informative, is for informational purposes only.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Second Edition ORD is based on, and now supersedes, the First Edition.

Attention is drawn to the possibility that some of the elements of this ORD may be the subject of patent rights. Neither Underwriters Laboratories of Canada, nor ULC Standards, shall be held responsible for identifying any or all such patent rights.

Requests for interpretation of this ORD should be sent to the ULC Mark Program Owner of Underwriters Laboratories of Canada. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

ORDs are valid for use by Certification Bodies for certifications for up to 5 years from date of initial validation, or revalidation, unless superseded or withdrawn.

This ORD is intended to be used for conformity assessment.

1 SCOPE

1.1 These requirements cover connectors and switches for use with burglar-alarm systems in mercantile premises, mercantile safes and vaults, bank safes and vaults, government and corporate locations, and residences. They are intended to be used in circuits of limited energy, for these applications, in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations.

1.2 The connectors and switches covered by these requirements include insulated contact springs and mating brackets; magnetically actuated and mercury switches; heat, smoke, and vibration detectors; floor mats; floor traps, special contacts for safes and vaults; flexible connectors; foil connectors; and shunting devices.

1.3 Switches covered by these requirements are intended for use in protective circuits to supervise doors, windows, hatches, vents, trap doors, and the like, to initiate an alarm signal when actuated.

1.4 Connectors covered by these requirements are intended to join various parts of protective circuit components and wiring.

1.5 The products covered by these requirements are intended to be installed in accordance with CAN/ULC-S302, Standard for the Installation, Inspection and Testing of Intrusion Alarm Systems.

2 REFERENCE PUBLICATIONS

The documents shown below are referenced in the text of this Other Recognized Document (ORD). Unless otherwise stated elsewhere in this ORD, such reference shall be considered to indicate the edition and/or revisions of the documents available at the date on which this ULC ORD is published.

Documents Published by CSA Group
178 Rexdale Blvd., Toronto, Ontario M9W 1R3 Canada
Telephone: 1-800-463-6727
www.csagroup.org

• CSA C22.1-15, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations

• CSA C22.2, No. 0.17-00 (R2013), Evaluation of Properties of Polymeric Materials

• CSA C22.2, No. 65-13, Wire Connectors

Documents Published by ULC Standards (prior to May, 2010, identified as Underwriters Laboratories of Canada)
171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada
Telephone: (416) 757-3611, ext. 61744; Fax (613) 231-5977, “ATTN: Publications”
E-mail: ulcstandards@ul.com
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• CAN/ULC-S302-14, Standard for the Installation, Inspection and Testing of Intrusion Alarm Systems

• CAN/ULC-S304:2016, Standard for Control Units, Accessories and Receiving Equipment for Intrusion Alarm Systems

• CAN/ULC-S527-11, Standard For Control Units For Fire Alarm Systems

• ULC-S328-98, Standard for Burglary Resistant Key Locks