



UL 60947-5-2

STANDARD FOR SAFETY

Low-Voltage Switchgear and Controlgear – Part
5-2: Control Circuit Devices and Switching
Elements – Proximity Switches

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UL Standard for Safety for Low-Voltage Switchgear and Controlgear – Part 5-2: Control Circuit Devices and Switching Elements – Proximity Switches, UL 60947-5-2

Third Edition, Dated March 28, 2014

Summary of Topics

UL 60947-5-2 is an adoption of IEC 60947-5-2, edition 2.2 (2004) which is based on the second edition (1997), and its amendment 1 (1999) and its amendment 2 (2003).

The third edition of UL 60947-5-2, dated March 28, 2014, has been issued and reflects the ANSI approval date as an American National Standard and is based off the proposals dated January 13, 2012. Please note that the national difference document incorporates all of the U.S. national differences for UL 60947-5-2.

The new requirements are substantially in accordance with Proposal(s) on this subject dated January 13, 2012.

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Third Edition

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March 28, 2014

This standard is based on IEC 60947-5-2, edition 2.2 (2004), which is based on the second edition (1997), and its amendment 1 (1999) and its amendment 2 (2003).



ANSI/UL 60947-5-2-2014

Approved by



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This ANSI/UL Standard for Safety consists of the Third Edition. The most recent designation of ANSI/UL 60947-5-2 as an American National Standard (ANSI) occurred on March 28, 2014. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface. The National Difference Page and IEC Foreword are also excluded from the ANSI approval of IEC-based standards.

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Preface

This is the harmonized CSA Group and UL standard for *Low-Voltage Switchgear and Controlgear – Part 5-2: Control Circuit Devices and Switching Elements – Proximity Switches*. It is the first edition of CAN/CSA-C22.2 No. 60947-5-2, and the third edition of UL 60947-5-2. This standard is based on IEC 60947-5-2, Edition 2.2, which is based on the second edition (1997), and its amendment 1 (1999) and its amendment 2 (2003).

This harmonized standard was prepared by CSA Group and Underwriters Laboratories Inc. (UL). The efforts and support of the Technical Harmonization Committee for Industrial Control Equipment, of the Council on the Harmonization of Electrotechnical Standards of the Nations of the Americas (CANENA), are gratefully acknowledged.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This standard was reviewed by the CSA Integrated Committee on Industrial Control, under the jurisdiction of the CSA Technical Committee on Industrial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee.

This standard has been approved as a National Standard of Canada by the Standards Council of Canada (SCC).

This standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is considered a minimum quantity.

Note: Although the intended primary application of this Standard is stated in its scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.

This CAN/CSA-C22.2 No. 60947-5-2, Standard for Safety for Low-Voltage Switchgear and Controlgear – Part 5-2: Control Circuit Devices and Switching Elements – Proximity Switches, is to be used in conjunction with the second edition of CAN/CSA-C22.2 No. 60947-1. The requirements for proximity switches are contained in this Part 2 Standard and CAN/CSA-C22.2 No. 60947-1. UL Standard 60947-5-2, Standard for Safety for Low-Voltage Switchgear and Controlgear – Part 5-2: Control Circuit Devices and Switching Elements – Proximity Switches, is to be used in conjunction with the fifth edition of UL 60947-1. The requirements for proximity switches are contained in this Part 2 Standard and UL 60947-1.

Requirements of this Part 2 Standard, where stated, amend the requirements of CAN/CSA-C22.2 No. 60947-1. Requirements of this Part 2 Standard, where stated, amend the requirements of UL 60947-1.

Where a particular subclause of CAN/CSA-C22.2 No. 60947-1 is not mentioned in 60947-5-2, the CAN/CSA-C22.2 No. 60947-1 subclause applies. Where a particular subclause of UL 60947-1 is not mentioned in 60947-5-2, the UL 60947-1 subclause applies.