



UL 60947-5-5

STANDARD FOR SAFETY

Low-Voltage Switchgear and Controlgear – Part
5-5: Control circuit devices and switching elements
– Electrical emergency stop device with
mechanical latching function

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UL Standard for Safety for Low-Voltage Switchgear and Controlgear – Part 5-5: Control circuit devices and switching elements – Electrical emergency stop device with mechanical latching function, UL 60947-5-5

First Edition, Dated August 11, 2017

Summary of Topics

This First Edition of UL 60947-5-5 is an adoption of the first edition of IEC 60947-5-5 published in November 1997 and amended April 2005

The new requirements are substantially in accordance with Proposal(s) on this subject dated April 28, 2017 and June 30, 2017.

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AUGUST 11, 2017



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ANSI/UL 60947-5-5-2017

UL 60947-5-5

**Standard for Low-Voltage Switchgear and Controlgear – Part 5-5: Control
circuit devices and switching elements – Electrical emergency stop device
with mechanical latching function**

First Edition

August 11, 2017

This ANSI/UL Standard for Safety consists of the First Edition.

The most recent designation of ANSI/UL 60947-5-5 as an American National Standard (ANSI) occurred on August 11, 2017. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page or Preface. The National Difference Page and IEC Foreword are also excluded from the ANSI approval of IEC-based standards. Any other portions of this ANSI/UL standard that were not processed in accordance with ANSI/UL requirements are noted at the beginning of the impacted sections.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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Preface (UL)

This UL Standard is based on IEC Publication 60947-5-5: 1.1 edition Low-Voltage Switchgear and Controlgear – Part 5-5: Control circuit devices and switching elements – Electrical emergency stop device with mechanical latching function, as revised by Amendment 1. IEC publication 60947-5-5 is copyrighted by the IEC.

This UL Standard [UL Standard number] Standard for Safety for Low-Voltage Switchgear and Controlgear – Part 5-5: Control circuit devices and switching elements – Electrical emergency stop device with mechanical latching function, is to be used in conjunction with the fifth edition of UL 60947-1 and the third edition of UL 60747-5-1. The requirements for control circuit devices and switching elements – electrical emergency stop device with mechanical latching function are contained in this Part 2 Standard and UL 60747-1 and UL 60747-5-1.

Requirements of this Part 2 Standard, where stated, amend the requirements of UL 60947-1 and UL 60747-5-1.

Where a particular subclause of UL 60947-1 and UL 60947-5-1 is not mentioned in UL 60947-5-5, the UL 60947-1 and/or UL 60947-5-1 subclause applies.

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National Differences

National Differences from the text of International Electrotechnical Commission (IEC) Publication 60947-5-5, Low-voltage switchgear and controlgear – Part 5-5: Control circuit devices and switching elements – Electrical emergency stop device with mechanical latching function – Edition 1:1997 consolidated with amendment 1:2005 are indicated by notations (differences) and are presented in bold text.

There are five types of National Differences as noted below. The difference type is noted on the first line of the National Difference in the standard. The standard may not include all types of these National Differences.

D1 – These are National Differences which are based on **basic safety principles and requirements**, elimination of which would compromise safety for consumers and users of products.

D2 – These are National Differences from IEC requirements based on existing **safety practices**. These requirements reflect national safety practices, where empirical substantiation (for the IEC or national requirement) is not available or the text has not been included in the IEC standard.

DC – These are National Differences based on the **component standards** and will not be deleted until a particular component standard is harmonized with the IEC component standard.

DE – These are National Differences based on **editorial comments or corrections**.

DR – These are National Differences based on the **national regulatory requirements**.

Each national difference contains a description of what the national difference entails. Typically one of the following words is used to explain how the text of the national difference is to be applied to the base IEC text:

Addition / Add - An addition entails adding a complete new numbered clause, subclause, table, figure, or annex. Addition is not meant to include adding select words to the base IEC text.

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