



UL 60034-5

STANDARD FOR SAFETY

Rotating Electrical Machines – Part 5:
Degrees of Protection Provided by the
Integral Design of Rotating Electrical
Machines (IP Code) – Classification

UL Standard for Safety for Rotating Electrical Machines – Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP Code) – Classification, UL 60034-5

First Edition, Dated January 16, 2019

Summary of Topics

This is the first edition of UL 60034-5, the Standard for Rotating Electrical Machines – Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP code) – Classification, UL 60034-5, which is a UL-only identical adoption of IEC 60034-5: 2006 (Edition 4.1).

The new requirements are substantially in accordance with Proposal(s) on this subject dated [October 26, 2018](#).

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UL 60034-5

**Standard for Rotating Electrical Machines – Part 5: Degrees of Protection
Provided by the Integral Design of Rotating Electrical Machines (IP Code) –
Classification**

First Edition

January 16, 2019

This standard is a UL adoption of IEC 60034-5:2006 (Edition 4.1). There are no technical national differences for this standard.

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

The most recent designation of ANSI/UL 60034-5 as an American National Standard (ANSI) occurred on January 14, 2019. 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.

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 60034-5: fourth edition, Rotating electrical machines – Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) – Classification, as revised by Amendment 1. IEC publication 60034-5 is copyrighted by the IEC.

This UL Standard 60034-5, Standard for Safety for Rotating Electrical Machines – Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP code) – Classification, is to be used in conjunction with the second edition of UL 60034-1, Rotating Electrical Machines – Part 1: Rating and Performance. The requirements of UL 60034-5 where stated, amend the requirements of UL 60034-1.

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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.