

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Rotating electrical machines –  
Part 5: Degrees of protection provided by the integral design of rotating  
electrical machines (IP code) – Classification**

**Machines électriques tournantes –  
Partie 5: Degrés de protection procurés par la conception intégrale de machines  
électriques tournantes (code IP) – Classification**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ROTATING ELECTRICAL MACHINES –

**Part 5: Degrees of protection provided by the integral design  
of rotating electrical machines (IP code) – Classification**

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International Standard IEC 60034-5 has been prepared by IEC technical committee 2: Rotating machinery.

This bilingual version (2020-07) corresponds to the monolingual English version, published in 2020-04.

This fifth edition cancels and replaces the fourth edition, published in 2000, and its Amendment 1:2006. This edition constitutes a technical revision.

The main technical changes with respect to the previous edition are:

- the inclusion of an additional second numeral 9 including its test method,
- an additional note for clarification in Table 3,
- a clarification on the term open drain hole,
- a clarification on the ingress of dust in Table 4,
- pressure values given now in Pa only,
- a clarification in the scope on the applicability of this standard for (Ex) motors,

- a new Clause 3 with definitions,

The text of this International Standard is based on the following documents:

CDV	Report on voting
2/1960/CDV	2/1972A/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

The French version of this standard has not been voted upon.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60034 series, published under the general title *Rotating electrical machines*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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