

*Indian Standard***ELECTROTECHNICAL VOCABULARY****PART 74 ELECTRICAL AND MAGNETIC DEVICES****1 Scope**

This part of IEC 60050 gives the general terminology used in the various fields of electro-technology (e.g. "electricity", "magnetism", "electronics", "device", "component", etc.), general terms pertaining to connections and connecting devices, terms pertaining to general purpose electric and magnetic devices such as resistors, transformers, relays etc., and terms related to the behaviour, the use, the tests and the operating conditions of these devices.

This terminology is of course consistent with the terminology developed in the other specialized parts of the IEC.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60027-1:1992, *Letter symbols to be used in electrical technology – Part 1: General*
+ Amendment 1:1997

IEC 60050-101:1998, *International Electrotechnical Vocabulary – Part 101: Mathematics*

IEC 60050-111:1996, *International Electrotechnical Vocabulary – Part 111: Physics and chemistry*

IEC 60050-121:1998, *International Electrotechnical Vocabulary – Part 121: Electromagnetism*

IEC 60050-131:1978, *International Electrotechnical Vocabulary – Part 131: Circuit theory*¹⁾

IEC 60050-191:1990, *International Electrotechnical Vocabulary – Part 191: Dependability and quality of service*
+ Amendment 1:1999

IEC 60050-195:1998, *International Electrotechnical Vocabulary – Part 195: Earthing and protection against electric shock*
+ Amendment 1:2000

IEC 60050-212:1990, *International Electrotechnical Vocabulary – Part 212: Insulating solids, liquids and gases*

IEC 60050-221:1990, *International Electrotechnical Vocabulary – Part 221: Magnetic materials and components*
+ Amendment 1:1993 + Amendment 2:1999

IEC 60050-351:1998, *International Electrotechnical Vocabulary – Part 351: Automatic control*

IEC 60050-411:1996, *International Electrotechnical Vocabulary – Part 411: Rotating machines*

¹⁾ Under revision.

IS 1885 (Part 74) : 2012
IEC 60050-151 : 2001

IEC 60050-441:1984, *International Electrotechnical Vocabulary – Part 441: Switchgear, controlgear and fuses*
+ Amendment 1:2000

IEC 60050-461:1984, *International Electrotechnical Vocabulary – Part 461: Electric cables*
+ Amendment 1:1993

IEC 60050-466:1990, *International Electrotechnical Vocabulary – Part 466: Overhead lines*

IEC 60050-486:1991, *International Electrotechnical Vocabulary – Part 486: Secondary cells and batteries*

IEC 60050-521:1984, *International Electrotechnical Vocabulary – Part 521: Semiconductor devices and integrated circuits*¹⁾

IEC 60050-531:1974, *International Electrotechnical Vocabulary – Part 531: Electronic tubes*

IEC 60050-551:1998, *International Electrotechnical Vocabulary – Part 551: Power electronics*

IEC 60050-581:1978, *International Electrotechnical Vocabulary – Part 581: Electromechanical components for electronic equipment*
+ Amendment 1:1998

IEC 60050-601:1985, *International Electrotechnical Vocabulary – Part 601: Generation, transmission and distribution of electricity – General*
+ Amendment 1:1998

IEC 60050-702:1992, *International Electrotechnical Vocabulary – Part 702: Oscillations, signals and related devices*

IEC 60050-704:1993, *International Electrotechnical Vocabulary – Part 704: Transmission*

IEC 60050-713:1998, *International Electrotechnical Vocabulary – Part 713: Radiocommunications: transmitters, receivers, networks and operation*

IEC 60050-726:1982, *International Electrotechnical Vocabulary – Part 726: Transmission lines and waveguides*

IEC 60050-731:1991, *International Electrotechnical Vocabulary – Part 731: Optical fibre communication*

IEC 60050-801:1994, *International Electrotechnical Vocabulary – Part 801: Acoustics and electroacoustics*

IEC 60050-811:1991, *International Electrotechnical Vocabulary – Part 811: Electric traction*

IEC 60050-841:1983, *International Electrotechnical Vocabulary – Part 841: Industrial electroheating*

IEC 60050-891:1998, *International Electrotechnical Vocabulary – Part 891: Electrobiological*

IEC 60417-1:2000, *Graphical symbols for use on equipment – Overview and application*

IEC 61293:1994, *Marking of electrical equipment with ratings related to electrical supply – Safety requirements*

ISO 31-0:1992, *Quantities and units – Part 0: General principles*

ISO 3534-1:1993, *Statistics – Vocabulary and symbols – Part 1: Probability and general statistical terms*

ISO/IEC Guide 2:1996, *Standardization and related activities – General vocabulary*

¹⁾ Under revision.