



Welcome to the IEC Component Data Dictionary

The IEC 61360 database contains the IEC reference collection of classes and associated characteristic properties (data element types or DETs) for electric/electronic components and materials used in electrotechnical equipment and systems.

Scope

The dictionary and database follow the methodology of Part 1 of IEC 61360 and the information model of Parts 2 and 5, and include:

- a hierarchical classification of components in a classification tree
- a set of characteristic properties (DETs) associated with each class that fully describe components belonging to a class. Within the classification hierarchy, sub-classes inherit properties from those classes above them in the tree
- where relevant, conditions for which the property values are valid.

The structure of the database follows the information model very closely so that data can be extracted from it in a compliant computer-sensible form. Selective downloads are available as HTML files which can also be opened as tables in Excel. It is also likely that off-line facilities will be available to allow users to convert these tables to different exchange formats as well being able to use a wide range of commercially-available software products for handling the dictionary data.

Browsing and searching

The database may be browsed via the classification tree to display the definition of each class together with the list of properties applicable in that class. For each property, in turn, its definition may be displayed together with the classes in which it is applicable and any relevant conditions.

The classes and properties in the database may also be searched by terms that include, among others:

- keyword from the name of the class or property
- free-text search across all names, definitions, notes and remarks
- status
- units of measure for quantitative properties

Database status

The database contains the class and property definitions as contained in IEC 61360-4 : 1997 together with all additions and amendments that have been proposed for it or are undergoing evaluation. Those additions and amendments that are under evaluation have been published in 3D/108/CDV and will shortly appear as FDIS together with all the existing standard class and property definitions from the published standard. Although it is intended that, ultimately, this database will replace the hard-copy form of the standard, for the time being the published standard is to be regarded as the authority.

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