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### INTERNATIONAL **STANDARD**

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### INTERNATIONAL ELECTROTECHNICAL COMMISSION



## DIMENSIONS OF HALF POT-CORES MADE OF FERRITE FOR INDUCTIVE PROXIMITY SWITCHES

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International Standard IEC 62323 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

This standard cancels and replaces IEC/PAS 62323 published in 2002. This first edition constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
51/817/FDIS	51/825/RVD

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

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

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

Seign of this Columbna to a Deckiew Seneral alter by the Seneral alter b A bilingual version of this publication may be issued at a later date.

### DIMENSIONS OF HALF POT-CORES MADE OF FERRITE FOR INDUCTIVE PROXIMITY SWITCHES

### 1 Scope

This International Standard lays down the important dimensions for the mechanical interchangeability of a preferred half pot-core series of ferrite, intended to be used in inductive proximity switches.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60424-1:1999, Ferrite cores— Guide on the limits of surface irregularities – Part 1: General specification

### 3 Dimensions

### 3.1 Nomenclature of dimensions

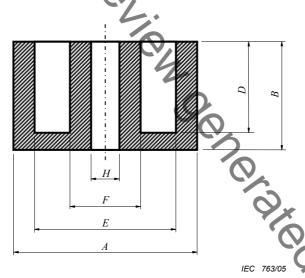


Figure 1 - Nomenclature of dimensions

#### 3.2 Dimensions and tolerances

The main dimensions and tolerances shall be as given in Table 1.