

# INTERNATIONAL STANDARD

**IEC**  
**60939-2-2**

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**Complete filter units for radio  
interference suppression –**

**Part 2-2:**

**Blank detail specification –**

**Passive filter units for electromagnetic  
interference suppression –**

**Filters for which safety tests are required  
(safety tests only)**

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# IEC 60939-2-2

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## Complete filter units for radio interference suppression –

### Part 2-2: Blank detail specification – Passive filter units for electromagnetic interference suppression – Filters for which safety tests are required (safety tests only)

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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland  
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: [inmail@iec.ch](mailto:inmail@iec.ch) Web: [www.iec.ch](http://www.iec.ch)



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**COMPLETE FILTER UNITS  
FOR RADIO INTERFERENCE SUPPRESSION –**

**Part 2-2: Blank detail specification –  
Passive filter units for electromagnetic interference suppression –  
Filters for which safety tests are required (safety tests only)**

FOREWORD

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International Standard IEC 60939-2-2 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

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

FDIS	Report on voting
40/1467/FDIS	40/1488/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.

IEC 60939 consists of the following parts under the general title *Complete filter units for radio interference suppression*:

Part 1: Generic specification

Part 2: Sectional specification

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- withdrawn;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.

A bilingual version of this standard may be issued at a later date.

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## INTRODUCTION

This blank detail specification forms the basis for a uniform procedure for a common Safety Mark. It implements the approval schedule for the safety test described in IEC 60939-2, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes to the declared design.

In comparison with IEC 60939-2-1, which provides quality conformance and safety tests this specification is restricted to safety tests only. The use of IEC 60939-2-1 may be more appropriate for components manufactured in mass production, whereas the employment of this specification may be necessary in those cases where approval and requalification tests contribute considerably to the costs of the product.

### **Blank detail specification**

A blank detail specification is a supplementary document to the sectional specification and contains requirements for style and layout and minimum content of detail specifications. In the preparation of detail specifications the content of 1.4 of the sectional specification shall be taken into account.

#### *Identification of the detail specification and of the component*

The first page of the detail specification should have the layout recommended on the next page of this blank detail specification. The numbers between square brackets correspond to the following information which shall be inserted at the position indicated:

- [1] The name of the National Standards Organization under whose authority the detail specification is published and, if applicable, the organization from which the detail specification is available.
- [2] The IECQ symbol and the number allotted to the detail specification by the IECQ General Secretariat.
- [3] The number and issue number of the IECQ generic or sectional specification as relevant; also national reference if different.
- [4] If different from the IECQ number, the national number of the detail specification, date of issue and any further information required by the national system, together with any amendment numbers.
- [5] A brief description of the component or range of components.
- [6] Information on typical construction (when applicable).

For [5] and [6] the text to be given in the detail specification should be suitable for an entry in the IECQ Register of Approvals.

- [7] Outline drawing with main dimensions which are of importance for interchangeability and/or reference to the appropriate national or international documents for outlines. Alternatively the drawing may be given in an annex to the detail specification, but [7] should always contain an illustration of the general outer appearance of the component.
- [8] The level(s) of quality assessment covered by the detail specification, as appropriate.
- [9] Reference data giving information on the most important properties of the component which allow comparison between the various component types intended for the same or similar applications.