

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Potentiometers for use in electronic equipment –  
Part 6: Sectional specification – Surface mount preset potentiometers**

**Potentiomètres utilisés dans les équipements électroniques –  
Partie 6: Spécification intermédiaire – Potentiomètres d'ajustement pour  
montage en surface**





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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

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## POTENTIOMETERS FOR USE IN ELECTRONIC EQUIPMENT –

### Part 6: Sectional specification – Surface mount preset potentiometers

#### FOREWORD

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International Standard IEC 60393-6 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This second edition cancels and replaces the first edition published in 2003 and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) revision of the information on the assessment level EZ (zero nonconforming);
- b) complete editorial revision.

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

FDIS	Report on voting
40/2409/FDIS	40/2424/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 International Standard is to be used in conjunction with IEC 60393-1:2008.

A list of all parts in the IEC 60363 series, published under the general title *Potentiometers for use in electronic equipment*, can be found on the IEC website.

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 stability 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- withdrawn,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.

## POTENTIOMETERS FOR USE IN ELECTRONIC EQUIPMENT –

### Part 6: Sectional specification – Surface mount preset potentiometers

#### 1 General

##### 1.1 Scope

This part of IEC 60393 applies to surface mount preset potentiometers for use in electronic equipment.

This part of IEC 60393 prescribes preferred ratings and characteristics and selects from IEC 60393-1, the appropriate quality assessment procedures, tests and measuring methods, and it gives general performance requirements for this type of potentiometers.

This standard gives the minimum performance requirements and test severities.

##### 1.2 Normative references

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

IEC 60062, *Marking code for resistors and capacitors*

IEC 60068-1:2013, *Environmental testing – Part 1: General and guidance*

IEC 60068-2-1:2007, *Environmental testing – Part 2-1: Tests – Test A: Cold*

IEC 60068-2-2:2007, *Environmental testing – Part 2-2: Tests – Test B: Dry heat*

IEC 60068-2-58:2004, *Environmental testing – Part 2-58: Tests – Test Td: Test methods for solderability, resistance to dissolution of metallization and to soldering heat of surface mounting devices (SMD)*

IEC 60286-3, *Packaging of components for automatic handling – Part 3: Packaging of surface mount components on continuous tapes*

IEC 60393-1:2008, *Potentiometers for use in electronic equipment – Part 1: Generic specification*

IEC 61193-2:2007, *Quality assessment systems – Part 2: Selection and use of sampling plans for inspection of electronic components and packages*

##### 1.3 Information to be given in a detail specification

###### 1.3.1 General

Detail specifications shall be derived from the relevant blank detail specification.

Detail specifications shall not specify requirements inferior to those of the generic, sectional or blank detail specification. When more severe requirements are included, they shall be