

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Potentiometers for use in electronic equipment –
Part 3: Sectional specification: Rotary precision potentiometers**

**Potentiomètres utilisés dans les équipements électroniques –
Partie 3: Spécification intermédiaire: Potentiomètres de précision rotatifs**



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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 31.040.20

ISBN 978-2-8322-7359-3

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	6
4 Preferred characteristics.....	6
4.1 General.....	6
4.2 Style and dimensions	7
4.2.1 Style.....	7
4.2.2 Outline drawing and dimensions	7
4.3 Preferred climatic categories.....	9
4.4 Resistance law.....	9
4.5 Nominal total resistance.....	9
4.6 Tolerances on nominal total resistance	9
4.7 Rated dissipation	9
4.8 Limiting element voltage	10
4.9 Insulation voltage.....	11
4.10 Resolution (when applicable)	11
5 Test and test severities.....	11
5.1 General.....	11
5.2 Mounting.....	11
5.3 Drying.....	11
5.4 Vibration	11
5.5 Bump	11
5.6 Shock	12
5.7 Solderability.....	12
5.7.1 Solder bath method (Method 1).....	12
5.7.2 Soldering iron method (Method 2).....	12
5.8 Linearity.....	12
5.9 Angle of effective travel	12
5.10 Dither.....	13
6 Preferred characteristics.....	13
6.1 General.....	13
6.2 Temperature coefficients of resistance.....	13
6.3 Limits for change in resistance or output voltage ratio.....	14
6.4 Limits for insulation resistance	14
6.5 Limits for resistance law	14
6.6 Solderability.....	14
7 Marking, packaging and ordering information.....	15
7.1 General.....	15
7.2 Marking for potentiometers	15
7.3 Marking for packaging.....	15
7.4 Additional marking	15
7.5 Ordering information	15
8 Preferred values of ratings.....	16
8.1 General.....	16
8.2 Information to be specified in a detail specification	16

8.2.1	Outline drawing or illustration	16
8.2.2	Style and dimensions.....	16
8.3	Ratings and characteristics	16
8.3.1	General	16
8.3.2	Nominal total resistance range	16
8.4	Additional information	16
9	Quality assessment procedures	17
9.1	General.....	17
9.2	Definitions.....	17
9.2.1	Primary stage of manufacture	17
9.2.2	Structurally similar components	17
9.3	Assessment level EZ.....	17
10	Qualification approval.....	17
10.1	General.....	17
10.2	Qualification approval on the basis of the fixed sample size procedure	17
10.3	Tests	18
11	Quality conformance inspection	29
11.1	Formation of inspection lots	29
11.2	Test schedule	29
11.3	Assessment levels	29
11.4	Delayed delivery	31
Annex A (normative)	Symbols and abbreviated terms	32
A.1	Symbols.....	32
A.2	Abbreviated terms.....	33
Bibliography	34
Figure 1	– Outline drawing and dimensions.....	8
Figure 2	– Rated dissipation curve	10
Figure 3	– Rated dissipation curve (examples of lager area).....	10
Table 1	– Temperature coefficients	13
Table 2	– Limits for change in resistance or output voltage ratio	14
Table 3	– Test schedule for qualification approval.....	19
Table 4	– Quality conformance inspection: lot-by-lot inspection	30
Table 5	– Quality conformance inspection: periodic testing	31

INTERNATIONAL ELECTROTECHNICAL COMMISSION

POTENTIOMETERS FOR USE IN ELECTRONIC EQUIPMENT –**Part 3: Sectional specification: Rotary precision potentiometers**

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IEC 60393-3 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment. It is an International Standard.

This third edition cancels and replaces the second edition published in 1992. This edition constitutes a technical revision.

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

- a) revised all parts of the document based on the ISO/IEC Directives, Part 2:2018 (eighth edition) and harmonized with other similar kinds of documents;
- b) the document structure has been organized to follow new sectional specification structure decided in TC 40;
- c) revision of the information on the assessment level EZ (zero nonconforming).

The text of this International Standard is based on the following documents:

Draft	Report on voting
40/3058/FDIS	40/3071/RVD

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

The language used for the development of this International Standard is English.

A list of all parts in the IEC 60393 series, published under the general title *Potentiometers for use in electronic equipment*, can be found on the IEC website.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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- reconfirmed,
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- amended.

POTENTIOMETERS FOR USE IN ELECTRONIC EQUIPMENT –

Part 3: Sectional specification: Rotary precision potentiometers

1 Scope

This part of IEC 60393 applies to rotary precision potentiometers for use in electronic equipment.

The object of this document is to prescribe preferred ratings and characteristics and to select from IEC 60393-1, the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of potentiometer.

This document gives the minimum performance requirements and test severities.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60062, *Marking codes for resistors and capacitors*

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

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

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

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

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

3 Terms and definitions

For the purposes of this document, the terms and definitions of IEC 60393-1:2008 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

4 Preferred characteristics

4.1 General

The values given in detail specifications should be selected from the content of 4.2 to 4.10.