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Standards

Irish Standard
I.S. EN 60393-5:2016

Potentiometers for use in electronic equipment - Part 5: Sectional specification - Single-turn rotary low-power wirewound and nonwirewound potentiometers

I.S. EN 60393-5:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

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This document is based on:

EN 60393-5:2016

Published:

2016-04-08

This document was published under the authority of the NSAI and comes into effect on:

2016-04-26

ICS number:

31.040.20

NOTE: If blank see CEN/CENELEC cover page

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National Foreword

I.S. EN 60393-5:2016 is the adopted Irish version of the European Document EN 60393-5:2016, Potentiometers for use in electronic equipment - Part 5: Sectional specification - Single-turn rotary low-power wirewound and nonwirewound potentiometers

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EUROPEAN STANDARD

EN 60393-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2016

ICS 31.040.20

English Version

**Potentiometers for use in electronic equipment - Part 5:
Sectional specification - Single-turn rotary low-power wirewound
and nonwirewound potentiometers
(IEC 60393-5:2015)**

Potentiomètres utilisés dans les équipements électroniques
- Partie 5: Spécification intermédiaire - Potentiomètres de
faible puissance, bobinés et non bobinés, rotatifs, monotour
(IEC 60393-5:2015)

Potentiometer zur Verwendung in Geräten der Elektronik -
Teil 5: Rahmenspezifikation - Niedrigbelastbare
drahtgewickelte und nichtdrahtgewickelte Einfach-
Drehpotentiometer
(IEC 60393-5:2015)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 60393-5:2016

European foreword

The text of document 40/2408/FDIS, future edition 3 of IEC 60393-5, prepared by IEC/TC 40 "Capacitors and resistors for electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60393-5:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-10-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-01-18

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60062	-	Marking codes for resistors and capacitors	EN 60062	-
IEC 60068-1	2013	Environmental testing -- Part 1: General and guidance	EN 60068-1	2014
IEC 60068-2-1	2007	Environmental testing -- Part 2-1: Tests Test A: Cold	EN 60068-2-1	2007
IEC 60068-2-2	2007	Environmental testing -- Part 2-2: Tests Test B: Dry heat	EN 60068-2-2	2007
IEC 60393-1	2008	Potentiometers for use in electronic equipment -- Part 1: Generic specification	EN 60393-1	2009
IEC 60915	-	Capacitors and resistors for use in electronic equipment - Preferred dimensions of shaft ends, bushes and for the mounting of single-hole, bush-mounted, shaft-operated electronic components	EN 60915	-
IEC 61193-2	2007	Quality assessment systems -- Part 2: Selection and use of sampling plans for inspection of electronic components and packages	EN 61193-2	2007

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IEC 60393-5

Edition 3.0 2015-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Potentiometers for use in electronic equipment –
Part 5: Sectional specification – Single-turn rotary low-power wirewound and
non-wirewound potentiometers**

**Potentiomètres utilisés dans les équipements électroniques –
Partie 5: Spécification intermédiaire – Potentiomètres de faible puissance,
bobinés et non bobinés, rotatifs, monotour**





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IEC 60393-5

Edition 3.0 2015-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Potentiometers for use in electronic equipment –
Part 5: Sectional specification – Single-turn rotary low-power wirewound and
non-wirewound potentiometers**

**Potentiomètres utilisés dans les équipements électroniques –
Partie 5: Spécification intermédiaire – Potentiomètres de faible puissance,
bobinés et non bobinés, rotatifs, monotour**

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ELECTROTECHNICAL
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INTERNATIONALE

ICS 31.040.20

ISBN 978-2-8322-3059-6

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

POTENTIOMETERS FOR USE IN ELECTRONIC EQUIPMENT –

Part 5: Sectional specification – Single-turn rotary low-power wirewound and non-wirewound potentiometers

FOREWORD

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International Standard IEC 60393-5 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This third edition cancels and replaces the second edition published in 1992 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 and FZ (zero nonconforming);
- b) complete editorial revision.

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

FDIS	Report on voting
40/2408/FDIS	40/2423/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 5: Sectional specification – Single-turn rotary low-power wirewound and non-wirewound potentiometers

1 General

1.1 Scope

This part of IEC 60393 applies to single-turn rotary low-power wirewound and non-wirewound potentiometers, with a rated dissipation less than to 10 W. These potentiometers are primarily intended for use in electronic equipment.

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

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

IEC 60915, *Capacitors and resistors for use in electronic equipment – Preferred dimensions of shaft ends, bushes and for the mounting of single-hole, bush-mounted, shaft-operated electronic components*

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 listed in a subclause of the detail specification and indicated in the test schedules, for example by an asterisk.

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