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Potentiometrar för elektronikutrustning – Del 6: Gruppspecifikation för trimpotentiometrar för ytmontering

Potentiometers for use in electronic equipment –

Part 6: Sectional specification –

Surface mount preset potentiometers

Som svensk standard gäller europastandarden EN 60393-6:2016. Den svenska standarden innehåller den officiella engelska språkversionen av EN 60393-6:2016.

Nationellt förord

Europastandarden EN 60393-6:2016

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 60393-6, Second edition, 2015 - Potentiometers for use in electronic equipment - Part 6: Sectional specification - Surface mount preset potentiometers**

utarbetad inom International Electrotechnical Commission, IEC.

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English Version

**Potentiometers for use in electronic equipment - Part 6:
Sectional specification - Surface mount preset potentiometers
(IEC 60393-6:2015)**

Potentiomètres utilisés dans les équipements électroniques
- Partie 6 : Spécification intermédiaire - Potentiomètres
d'ajustement pour montage en surface
(IEC 60393-6:2015)

Potentiometer zur Verwendung in Geräten der Elektronik -
Teil 6: Rahmenspezifikation - Trimpotentiometer für die
Oberflächenmontage
(IEC 60393-6:2015)

This European Standard was approved by CENELEC on 2016-01-18. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

European foreword

The text of document 40/2409/FDIS, future edition 2 of IEC 60393-6, 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 60393-6:2016.

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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Endorsement notice

The text of the International Standard IEC 60393-6:2015 was approved by CENELEC as a European Standard without any modification.

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 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)	EN 60068-2-58	2004
-	-		+ corrigendum Dec. 2004	
IEC 60286-3	-	Packaging of components for automatic handling -- Part 3: Packaging of surface mount components on continuous tapes	EN 60286-3	-
IEC 60393-1	2008	Potentiometers for use in electronic equipment -- Part 1: Generic specification	EN 60393-1	2009
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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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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*