



NSAI
Standards

Irish Standard
I.S. EN 60384-4:2016

Fixed capacitors for use in electronic equipment - Part 4: Sectional specification - Fixed aluminium electrolytic capacitors with solid (MnO₂) and non-solid electrolyte

I.S. EN 60384-4:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

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EN 60384-4:2016

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NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

I.S. EN 60384-4:2016 is the adopted Irish version of the European Document EN 60384-4:2016, Fixed capacitors for use in electronic equipment - Part 4: Sectional specification - Fixed aluminium electrolytic capacitors with solid (MnO₂) and non-solid electrolyte

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD

EN 60384-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2016

ICS 31.060.50

Supersedes EN 60384-4:2007

English Version

**Fixed capacitors for use in electronic equipment - Part 4:
Sectional specification - Fixed aluminium electrolytic capacitors
with solid (MnO₂) and non-solid electrolyte
(IEC 60384-4:2016)**

Condensateurs fixes utilisés dans les équipements
électroniques - Partie 4: Spécification intermédiaire -
Condensateurs électrolytiques à l'aluminium, à électrolyte
solide (MnO₂) et non solide
(IEC 60384-4:2016)

Festkondensatoren zur Verwendung in Geräten der
Elektronik - Teil 4: Rahmenspezifikation - Aluminium-
Elektrolyt-Kondensatoren mit festen (MnO₂) und flüssigen
Elektrolyten
(IEC 60384-4:2016)

This European Standard was approved by CENELEC on 2016-09-16. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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

EN 60384-4:2016

European foreword

The text of document 40/2467/FDIS, future edition 5 of IEC 60384-4, 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 60384-4:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at (dop) 2017-06-16
national level by publication of an identical national
standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2019-09-16
the document have to be withdrawn

This document supersedes EN 60384-4:2007.

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Endorsement notice

The text of the International Standard IEC 60384-4:2016 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60384-18

NOTE Harmonized as EN 60384-18.

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